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//translation="MASPSLPSCAQIIDHSHVPEFEVATWIKITLILVYLIIFVMG
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SYTLSCKLHTFLFEACSYATLLHYLTLSFERYIAICHFPRYKAVSGPCQVKLLIGFVW
YTSALVALPLLFAMGTEYPLVNVPSHRGLTCNRSSTRHHEQPETSNMSICTNLSSRWT
VFQSSIFGAFVYYLVVLLSVAFMCWNAMQVLMKSQKGSLAGGTPPPQLRKSESEESRT
ARQTIIFLRLIVVTLAVCMMENQIRRIMAAAKPKHDWTRSYERAYMILPBSETFFY
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                                                                                 NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC/DCTD/DTP
                                                                                                                                                        Submitted (25-JUL-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                              CDNA Library Preparation: Rubin Laboratory CDNA Library Arrayed by: The I.M.A.G.E. COI DNA Sequencing by: Institute for Systems B: http://www.systemsbiology.org
                                                                                                                                                                                                           Strausberg, R.
Direct Submission
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                                                                                                                                                                                  CACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATG
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AX362255
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Secreted and transmembrane polypeptides and nucleic a
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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Galvin,K.A. and Rudolph-Owen,L.A. Methods and compositions for the diagnosis an cardiovascular and tumorigenic disease using Patent: WO 0181634-A 3 01-NOV-2001; Millennium Pharmaceuticals, Inc. (US)
                                                                                                                                      Sequence 3
AX319944
                                                                   Eukaryota; Metazoa; Chordata; Mammalia; Eutheria; Primates;
                                                                                          Homo sapiens
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                                     CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCCTCTTTGTAA
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Sequence 15 from Patent W00193983.
AX358762
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Query Match

Best Local Similarity

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                                                                                                               /rpt_family-"Alu"
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34271. 34348
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32667
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32053. .32080
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34409. .34703
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27926. .28052
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23084. .23228
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20618. .20756
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8834. .28958
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                                                       Score 1419.8;
Pred. No. 0;
0; Mismatches
                                                                               DB 9; Length 129676;
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1305 119607	GCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGAGCCATGATCCTCCGA	Qy 1246 Db 119666	U D
1245 119667	GGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTAC	y 118 b 11972	U D
1185 119727	6 AGCACAGCACCTTGCACGACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGC 	Qy 112 Db 11978	
1125 119786	6 TGGAGTGCGCATGTACGCGCACGCGCTCTCCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGC	Qy 106 Db 11984	
1065 119846	6 AGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGGGGCGCTGTCGGTGG 	Qy 100 Db 11990	
1005 119906	6 ACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAG 	Qy 94 Db 11996	
945 119966	6 TGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAG	Qy 88 Db 12002	
885 120026	6 AGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAAAT	Qy 82 Db 12008	
825 120086	6 GTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCCCACTCA	12014	
765 120146	ம் გ	1202	
705 120206	16 CCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCAGTC	Qy 64 Db 12026	
645 120266	36 TCAGCCTGACTTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCC 	Qy 58 Db 12032	
585 120326	26 GTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAATAAAT 	1203	
525 120386	66 CACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCC	Qy 46 Db 12044	
465 120446	06 AAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCAACCCCC	1205	
405 120506	46 GCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTG	Qy 3, Db 1205	
345 120566	86 CACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAG 	Qy 21 Db 1206;	
285 120626	26 CGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAA 	Qy 2 Db 1206	

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REFERENCE
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                                                                                                                  Direct Submission

Direct Submission

Submitted (09-JAN-2002) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 6: On Aug 9, 2001 this sequence version replaced gi:14488388.

On Aug 9, 2001 this sequence Center

On Aug 9, 2001 this sequence Sequencing Center
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Homo sapiens BAC clone RP11-258B17
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Submitted (10-SEP-2000) Genome Sequencing Center, Washington
Submitted (10-SEP-2000) Genome Sequencing Center, Washington
School of Medicine, 4444 Forest Park Parkway, St.
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The sequence of Homo sapiens BAC clone RP11-258B17
Unpublished (2001)
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Sulston, J. E. and Waterston, R.
Toward a complete human genome sequence
Genome Res. 8 (11), 1097-1108 (1998)
                                                                                                                                                                                                                                                                                                              Submitted (09-AUG-2001) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Center project name: H_NH0258B17
                                 Web site: http://genome.wustl.edu/gsc
Contact: sapiens@watson.wustl.edu
------ Summary Statistics
                                                                                              Center: Washington University Genome Sequencing Center Center code: WUGSC
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NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap between neighboring data submissions.

all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality > 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by This sequence was finished as follows unless otherwise noted:

Mapping information for this clone was provided by Dr. Joi McPherson, Department of Genetics, Washington University, MAPPING INFORMATION: John

St.

Louis

sequence, see http://genome.wustl.edu/gsc For additional information about the map position of this

SOURCE INFORMATION:
The RPCI-11 human BAC library was made from the blood of one male donor, as described by Osoegawa, K., Woon, P.Y., Zhao, B., Frengen, E., Tateno, M., Catanese, J.J. and de Jong, P.J. (1998) an improved approach for construction of bacterial artificial chromosome libraries. Genomics 51:1-8. The clone may be obtained either from Research Genetics, Inc. (http://www.resgen.com) or Pieter de Jong and coworkers at the Roswell Park Cancer Institute (http://scapac.med.buffalo.edu)
VECTOR: pBACe3.6

NEIGHBORING SEQUENCE INFORMATION:
The clone sequenced to the left is RP11-1L22; the clone sequenced to the right is RP11-159N2O, 2000 bp overlap. Actual start of the clone is at base position 1 of RP11-258B17; actual end is at base position 60003 of RP11-159N2O. Actual start of this

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FEATURES
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11961. .11969
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                                                                                                                     /rpt_family-"ERV1"
18933. .19074
                                                                                                                                                                                                                                                                           /rpt_family="MIR"
16810. .16939
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15532. .15842
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20104. .20145
/rpt_family="(TG)n"
                                                         /rpt_family="ERV1"
19260. .19628
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18434. .18801
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1. .129676
                                                                                          /rpt_family="ERV1"
19144. .19250
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1 (bases 1 to 1890)
Ota,T., Isogai,T., Nishikawa,T., Kawai,Y., Sugiyama,T. and Hayashi,K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Secretory protein or membrane protein
Patent: EP 1067182-A 203 10-JAN-2001;
Helix Research Institute (JP)
Location/Qualifiers
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Sequence 203 from Patent EP1067182.
AX136281
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/db_xref="GI:14272688"
/db_xref="GI:14272688"
/translation="mwytuGIARTECGLFILPGFALQIQCYQCEEFQLNNDCSSPEFIV
NCTVNVQDMCQKEVMEQSAGIMYRKSCASSAACLIASAGYQSFCSPGKLNSVQISGCN
TPLCNUCPRPKKRGSSASALRPGLRTTILFLKLASSRHTAELKEMPPPPALFFQPSPPT
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/db_xref="taxon:9606"
274. .771
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CACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATG 420
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (04-JUL-2002) Takao Isogai, FLJ Project(HRI Team); 2-6-7 Kazusa-Kamatari, Kisarazu, Chiba 292-0812, Japan (E-mail:genomics@hri.co.jp, Tel:81-438-52-3975, Fax:81-438-52-3986) NEDO human cDNA sequencing project supported by Ministry of Economy, Trade and Industry of Japan; cDNA full insert sequencing: Research Association for Biotechnology (RAB); cDNA library construction: Helix Research Institute (HRI) (supported by Japan Key Technology Center etc.); 5'-6 3'-end one pass sequencing: RAB, HRI, and Biotechnology Center, National Institute of Technology and Evaluation; clone selection for full insert sequencing: HRI and
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Matsuo,K., Nakamura,Y., Sekine,M., Kikuchi,H., Kanda,K.,
Wagatsuma,M., Murakawa,K., Kanehori,K., Takahashi-Fujii,A.
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Isogai,T and Yamamoto,J.
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215..640
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TPLCNGPRPKKRGSSASALRPGLRTTILFLKLALFSAHC"
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Database :
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Maximum DB seq length: 2000000000
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Listing first 45 summaries
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Copyright (c) 1993 - 2002 Compugen Ltd.
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Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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ALIGNMENTS

REFERENCE	ORGANISM	SOURCE	KEYWORDS	VERSION	ACCESSION		DEFINITION	LOCUS	AK094501	RESULT 1
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1	clone:BRALZ2001350. Homo sapiens	Homo sapiens alzheimer cortex cDNA to mRNA, clone lib:BRALZ2	Oligo Capping: fis /full insert someon	AK094501.1 GI:21753575	AK094501	to Homo sapiens Gz-selective GTPase-activating protein (RGS20) mRNA.	Homo sapiens cDNA FLJ37182 fis, clone BRALZ2001350, weakly similar	AK094501 1832 bp mRNA linear DRT 15-THI-2002		

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TYPE: DNA; Homo sapiens; ORGANISM: Homo sapiens US-10-172-039A-156
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US-10-145-016A-156
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PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/065364
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077632
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR APPLICATION NUMBER: 60/077641
PRIOR APPLICATION NUMBER: 60/077641
PRIOR APPLICATION NUMBER: 60/077641
PRIOR APPLICATION NUMBER: 60/077649
                                                                                                                                                                                                                                        APPLICANT: AShkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napole
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NUMBER OF SEQ ID NOS: 624
SEQ ID NO 156
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PRIOR APPLICATION NUMBER: 60/
PRIOR FILING DATE: 1998-03-12
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nes 23; Conserv
                Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
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Botstein, David
Desnoyers, Luc
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Stewart, Timothy A.
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Gao, Wei-Qiang
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Gerritsen, Mary E.
Kljavin,
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100.0%; Pred. No. 0.057;
7ative 0; Mismatches
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PRIOR FILING DATE: 2001-07-30
PRIOR PPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION NUMBER: 60/065311
PRIOR PILING DATE: 1997-11-13
PRIOR PILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/06364
PRIOR APPLICATION NUMBER: 60/077450
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR FILING DATE: 1998-03-10
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Search completed: November Job time: 106.231 secs
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PRIOR FILING DATE: 1998-03-11
PRIOR PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR APPLICATION NUMBER: 60/077791
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR FILING DATE: 1998-03-12
                                                                                                                                                                                                                                                                                                                                 Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 156
LENGTH: 2680
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Best Local
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CURRENT FILING DATE: 2001-10-18
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                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Homo sapiens
                                                                                                                                      1597 TGTAAAAAAAAAAAAAAAAAA 1619
                                                                                       2655 ТСТАВАВАВАВАВАВАВАВАВ 2677
                                                                                                                                                                               Local Similarity 100.0%; Figs 23; Conservative 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Shelton, David L.
Stewart, Timothy A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Roy, Margaret Ann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pan, James;
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                           8, 2002, 02:03:49
                                                                                                                                                                                                         Score 23;; Pred. No.
                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                         DB 6;
. 0.057;
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                                                                                                                                                                                                                                Length 2680;
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; LENGTH: 2680
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-165-353-156
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US-10-170-481A-156
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CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/918885
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-11-01
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
                                                                                                                                                                                                                                                                                                                                    Sequence 156, Application US/10170481A GENERAL INFORMATION:
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APPLICANT:
APPLICANT:
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APPLICANT: Baker Kevin P
APPLICANT: Botstein, Dav
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                        APPLICANT
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PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
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PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
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PRIOR FILING DATE: 1997-11-21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   2655 TGTAAAAAAAAAAAAAAAAAA 2677
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 60/077649 FILING DATE: 1998-03-11
                                                                                                                                      Fong, Sic....
Gao, Wei-Qiang
                                                                                           Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, Audrey
              Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
Kljavin, Ivar J.
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Stewart, Timothy A.
Tumas, Daniel
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Paoni,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.057;
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US-10-172-039A-156
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PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/066364
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR APPLICATION NUMBER: 60/077450
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
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APPLICANT:
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SEQ ID NO 156
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APPLICANT:
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APPLICANT:
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PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
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PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
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TYPE: DNA
ORGANISM: Homo sapiens
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nes 23; Conservative
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                                                  Godowski, Paul J.
Grimaldi, J. Christopher
                                                                                                                                                              Fong,
                 Gurney, Austin L.
Hillan, Kenneth J
                                                                                                                                                                            Filvaroff, Ellen
Kljavin, Ivar J
                                                                                         Goddard, Audrey
                                                                                                          Gerritsen, Mary E.
                                                                                                                            Gerber, Hanspeter
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Desnoyers, Luc
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Wood, William
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Stewart, Timothy A.
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                                                                                                                                                                  Sherman
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                                                                                                                                                                                                     Napoleon
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100.0%; Pred. No.
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. 0.057;
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-162-522A-156
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US-10-165-038A-156
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PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 2001-07-30
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Wood, William I
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                                                                                                                                                                                                                                      Baker Kevin P.
Botstein, David
Desnoyers, Luc
                 Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
                                                                                                                                                                                 Ferrara, Napoleon
Filvaroff, Ellen
                                                                                       Goddard, Audrey
                                                                                                         Gerber, Hanspeter
Gerritsen, Mary E.
                                                                                                                                                                                                                        Eaton, Dan
Kljavin,
                                                                                                                                              Gao, Wei-Qiang
                                                                                                                                                              Fong,
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                                                                                                                                                                    Sherman
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100.0%; Pred. No.

 Mismatches

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0.057;
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CURRENT FILING DATE: US/10/165,038A
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/91858
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-11-03
PRIOR FILING DATE: 1997-11-03
PRIOR PPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR PPLICATION NUMBER: 60/06364
PRIOR APPLICATION NUMBER: 60/06364
PRIOR APPLICATION NUMBER: 60/06364
PRIOR PILING DATE: 1997-11-21
PRIOR PILING DATE: 1997-11-21
PRIOR PPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR FILING DATE: 1998-03-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: DNA; Homo sapiens; ORGANISM: Homo sapiens US-10-165-038A-156
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US-10-165-353-156
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NUMBER OF SEQ ID NOS: 624
SEQ ID NO 156
LENGTH: 2680
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APPLICANT:
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                                                                                                                                                                                                                                                                                                        APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
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PRIOR FILING DATE: 1998-03-11
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Stewart, Timothy A.
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Gurney, Austin L.
Hillan, Kenneth J
Kljavin, Ivar J.
                                                             Goddard, Audrey
Godowski, Paul J
Grimaldi, J. Christopher
                                                                                                                                                                                                    Filvaroff, Ellen
                                                                                                                                                                                                                                              Desnoyers, Luc
Eaton, Dan
                                                                                                                                                                 Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                       Botstein, David
                                                                                                                       Gerritsen, Mary E.
                                                                                                                                            Gerber, Hanspeter
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                                                                                                                                                                                         Sherman
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0.057;
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US-10-145-092A-156
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APPLICANT:
APPLICANT:
APPLICANT:
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Best Local :
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LENGTH: 2680
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APPLICANT: Baker Kevin P
      APPLICANT:
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PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR EILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1597 TGTAAAAAAAAAAAAAAAAAAAAAA 1619
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Jocal Similarity 100.0%; Pred. No. v..
Conservative 0; Mismatches
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            Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
                                                                                                                                                                                                                                                      Baker Kevin P.
Botstein, David
Desnoyers, Luc
Kljavin,
                                                                                                                   Gerritsen, Mary E.
                                                                                                                                    Gerber, Hanspeter
                                                                                                                                                         Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                                              Filvaroff, Ellen
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Stewart, Timothy A.
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RESULT 40
US-10-162-522A-156
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CURRENT EILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILLING DATE: 2001-07-30
PRIOR FILLING DATE: 1997-10-17
PRIOR PRIOR FILLING DATE: 1997-11-03
PRIOR FILLING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/06249
PRIOR APPLICATION NUMBER: 60/06311
PRIOR FILLING DATE: 1997-11-03
PRIOR EILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/066364
PRIOR APPLICATION NUMBER: 60/066364
PRIOR APPLICATION NUMBER: 60/066364
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILLING DATE: 1997-11-21
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APPLICANT:
APPLICANT:
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LENGTH: 2680
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PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
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PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
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ORGANISM: Homo sapiens
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               Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
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                                                                                                                                                                                                                                          Baker Kevin P.
Botstein, David
Desnoyers, Luc
                                                                                                                                                                  Fong,
 Kljavin,
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                                                                                                             Gerritsen, Mary E.
                                                                                                                               Gerber, Hanspeter
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Shelton, David L.
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                                                                                                                                                                      Sherman
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Ivar J.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.4%; Score 23;
100.0%; Pred. No.

 Mismatches

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US-10-145-087A-156
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LENGTH: 2136
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                   Sequence 156, Application US/10145087A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063120
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063121
PRIOR FILING DATE: 1997-10-24
PRIOR FILING DATE: 1997-10-24
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APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063544
PRIOR FILING DATE: 1997-10-28
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PRIOR APPLICATION NUMBER: 10/052586
PRIOR FILING DATE: 2002-01-15
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PRIOR FILING DATE: 1997-09-18
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APPLICANT: Baker Kevin P
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ORGANISM: Homo Sapien
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Godowski, Paul J.
Grinaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
Kijavin, Ivar J.
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Goddard, Audrey
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                                                                                                                                                                                                                                             Baker Kevin P.
Botstein, David
                                                                                                                                            Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                             Ferrara, Napoleon Filvaroff, Ellen
                                                                                                          Gerber, Hanspeter
Gerritsen, Mary E.
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                                                                                        Goddard, Audrey
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; TYPE: DNA; Homo sapiens; ORGANISM: Homo sapiens US-10-145-087A-156
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/065311
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US-10-143-031A-156
: Sequence 156, Application US/10143031A
: GENERAL INFORMATION:
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SEQ ID NO 156
LENGTH: 2680
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CURRENT FILING DATE: 2001-10-18
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PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
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APPLICANT: Baker Kevin P
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FILING DATE: 1997-11-13
APPLICATION NUMBER: 60/066364
FILING DATE: 1997-11-21
APPLICATION NUMBER: 60/077450
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23; Conserv
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
Kljavin, Ivar J.
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Shelton, David L.
Stewart, Timothy A.
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                                                                                                                    Gerber, Hanspeter
Gerritsen, Mary E.
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                                                                                                                                                                                                                                                                                                             Baker Kevin P.
                                                                                                       Goddard, Audrey
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                                                                                                                                                                                         Sherman
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RESULT 35
US-10-165-353A-136
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US-10-125-923A-53
                                    Sequence 136, Application US/10165353A GENERAL INFORMATION:
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LENGTH: 1998
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                 APPLICANT: Ashkenazi, Avi
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PRIOR FILING DATE: 1997-10-21
PRIOR APPLICATION NUMBER: 60/63540
PRIOR ETLING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/63541
PRIOR APPLICATION NUMBER: 60/63541
PRIOR FILING DATE: 1997-10-28
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PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063120
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/663121
PRIOR FILING DATE: 1997-10-24
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PRIOR FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059266
PRIOR FILING DATE: 1997-09-18
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PRIOR FILING DATE: 1997-10-28
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                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Homo Sapien
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                                                                                                                                            1974 ТGТААЛААЛАЛАЛАЛАЛАЛАЛА 1996
                                                                                                                                                                             1597 ТGТААААААААААААААААААА 1619
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             RESULT 36
US-10-125-923A-227
Sequence 227, Application US/10125923A
GENERAL INFORMATION:
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                                                                                                                                                                                                                              Best
                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 136
                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                          Matches
APPLICANT: Baker, Kevin P.
                                                                                                                                                                                                                                                                                                                                                                       Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR FILING DATE: 1998-03-1
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PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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                                                                                                                                                                                                                                                                                           TYPE: DNA ORGANISM: Homo sapiens
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PRIOR FILING DATE: 1998-03-10
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                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 60/077791
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Gao, Wei-Qiang
                                                                                                                                                                                               1.4%; Score 23; DB lilarity 100.0%; Pred. No. 0.0 Conservative 0; Mismatches
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Stewart, Timothy A.
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Grimaldi, J. Christopher
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Hillan, Kenneth J
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Best Local
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LENGTH: 1998
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                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
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                                                                                                   PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/
PRIOR FILING DATE: 1998-03-12
                                                                                                                                                     PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
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PRIOR FILING DATE: 1997-11-13
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PRIOR APPLICATION NUMBER:
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                                                                Remaining Prior Application data removed - NUMBER OF SEQ ID NOS: 624
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ORGANISM: Homo sapiens
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Filvaroff,
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Stewart, Timothy A.
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Hillan, Kenneth J
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Grimaldi, J. Christopher
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     James;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sophia S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sherman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Nicholas F
                                                                                                                                                                                                                                               1998-03-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Napoleon
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.4%; Score 23;
100.0%; Pred. No.
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                                                                                      See File Wrapper or PALM
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US-10-145-088A-136
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CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/06250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/065364
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR APPLICATION NUMBER: 60/066364
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LENGTH: 1998
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PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
                                                                          Remaining Prior Application data removed - See File Wrapper or PALM NUMBER OF SEQ ID NOS: 624
                                                                                                                                    PRIOR APPLICATION NUMBER: 60/077791
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ORGANISM: Homo sapiens
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Hillan, Kenneth J
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Shelton, David L.
Stewart, Timothy A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eaton, Dan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Botstein, David
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Kljavin,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      James;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sophia S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sherman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Audrey
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Acids Encoding the Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Paul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.4%; Score 23;
100.0%; Pred. No.
tive 0; Mismatcl
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PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
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US-10-172-039A-136
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                                     Remaining Prior Application data removed - See File Wrapper or PALM NUMBER OF SEQ ID NOS: 624
SEQ ID NO 136
LENGTH: 1998
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                                                                                                           PRIOR APPLICATION NUMBER: 60/077791 PRIOR FILING DATE: 1998-03-12
                                                                                                                                              PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/172,039A CURRENT FILING DATE: 2002-10-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C30
FILE REFERENCE: P2630P1C30
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PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 1997-11-21
ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.4%; Score 23; Similarity 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gao, Wei-Qiang
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
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Grimaldi, J. Christopher
Gurney, Austria L.
Hillan Voscit I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Napier, Mary A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Baker Kevin P.
Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Paoni,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kljavin,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hillan, Kenneth J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Goddard, Audrey
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gerber, Hanspeter
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                James;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Daniel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ivar J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Napoleon
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CURRENT APPLICATION NUMBER: US/10/145,016A
CURRENT FILING DATE: 2001-10-18
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
                     SEQ ID NO 136
LENGTH: 1998
TYPE: DNA
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US-10-145-016A-136
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                                                                       Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
                                                                                                       PRIOR APPLICATION NUMBER: 60/
PRIOR FILING DATE: 1998-03-12
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Best Local Similarity
                                                                                                                                              PRIOR APPLICATION NUMBER: 60 PRIOR FILING DATE: 1998-03-
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                                                                                                                                                                                   PRIOR FILING DATE: 1998-03-11
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                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: 60/077632 PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 1997-11-21
ORGANISM: Homo sapiens
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Wood, William I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Tumas, Daniel
Williams, P. Mickey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Stewart, Timothy A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Paoni, Nicholas F.
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Hillan, Kenneth J
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Baker Kevin P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Margaret Ann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sophia S.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mary A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Acids Encoding the Same
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100.0%; Pred. No. 0.1
tive 0; Mismatches
                                                                                                                             60/077791
                                                                                                                                                               60/077649
                                                                                                                                                                                                    60/077641
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-165-353-136
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                                                   SEQ ID NO 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
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                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR FILING DATE: 1997-11-21
                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/10/165,353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C40
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                                                                                                                                                                          PRIOR FILING DATE: 1998-03-1
PRIOR APPLICATION NUMBER: 60
PRIOR FILING DATE: 1998-03-1
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                                                                  Remaining Prior Application data removed - See File Wrapper or PALM NUMBER OF SEO ID NOS: 624
                                                                                                         PRIOR FILING DATE: 1998-03-12
                                                                                                                        PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: 60/077632
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ORGANISM: Homo sapiens
                                  ENGTH: 1998
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Stewart, Timothy A.
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Hillan, Kenneth J
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   James;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Wei-Qiang
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Daniel
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mary A.
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+ ive 0; Mismatches
                                                                                                                                                              60/077649
                                                                                                                                                                                                60/077641
                                                                                                                          60/077791
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US-10-165-353-136
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
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                                   SEQ ID NO 136
LENGTH: 1998
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APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C53
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                                                                  Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 624
                                                                                                                                                                                                                                                         PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
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PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION UNMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
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                                                                                                         PRIOR FILING DATE: 1998-03-12
                                                                                                                                                                  PRIOR APPLICATION NUMBER: 60/077649
ORGANISM: Homo sapiens
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Hillan, Kenneth J
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Shelton, David L.
Stewart, Timothy A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tumas, Daniel
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100.0%; Pred. No. 0.058;
ative 0; Mismatches
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US-10-145-092A-136

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SEQ ID NO 136
LENGTH: 1998
TYPE: DNA
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CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/91858
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION NUMBER: 60/664249
PRIOR FILING DATE: 1997-11-03
PRIOR FILING DATE: 1997-11-03
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                                                                                                                                                        PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
                                                                             PRIOR FILING DATE: 1998-03-12

Remaining Prior Application data removed - See File Wrapper or PALM
NUMBER OF SEQ ID NOS: 624
                                                                                                                                     PRIOR APPLICATION NUMBER: 60/077791
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PRIOR FILING DATE: 1998-03-11
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PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630PIC56
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A.
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Grimaldi, J. Christopher
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Paoni,
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Eaton, Dan
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Margaret Ann
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sherman
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SEQ ID NO 136
LENGTH: 1998
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                                                                        Remaining Prior Application data removed - See File Wrapper or PALM NUMBER OF SEQ ID NOS: 624
                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/62250
PRIOR ETLING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR FILING DATE: 1997-11-03
                                                                                                           PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
                                                                                                                                                 PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630P1C29
CURRENT APPLICATION NUMBER: US/10/165,038A
CURRENT FILING DATE: 2002-10.
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Best Local (
                                                                                                                                                                                      PRIOR APPLICATION NUMBER: 60/077641 PRIOR FILING DATE: 1998-03-11
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PRIOR APPLICATION NUMBER: 60/077632
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ORGANISM: Homo sapiens
                     TYPE: DNA
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23; Conservative
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Williams, P. Mickey
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Stewart, Timothy A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kuo, Sophia S.
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Hillan, Kenneth J
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Fong,
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Botstein, David
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mary A.
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+ive 0; Mismatches
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100.0%; Pred. No. 0.058
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US-10-143-031A-136

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US-10-143-031A-136
: Sequence 136, Application US/10143031A
; GENERAL INFORMATION:
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                            PRIOR FILING DATE: 1998-03-1
Remaining Prior Application
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 136
LENGTH: 1998
                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATE: 2001-07-50
PRIOR FILING DATE: 2001-07-50
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION 1997-11-03
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630P1C39
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ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 60/065311
FILING DATE: 1997-11-13
                                                                                                                 APPLICATION NUMBER:
                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/077450 FILING DATE: 1998-03-10
                                                                                                                                 FILING DATE: 1998-03-11
APPLICATION NUMBER: 60/
FILING DATE: 1998-03-11
                                                                                                                                                                               APPLICATION NUMBER: 60/077641
                                                                                                                                                                                                   APPLICATION NUMBER: 60/077632 FILING DATE: 1998-03-11
                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 60/066364
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Stewart, Timothy A.
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Grimaldi, J. Christopher
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Gerritsen, Mary E.
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Kuo, Sophia S.
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                                                                                                                 60/077791
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0.058;
                                                                              See File Wrapper
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RESULT 25
US-10-145-092A-136
; Sequence 136, App
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                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/10/145,092A
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR FILING DATE: 1997-11-03
                              Remaining Prior Ap
NUMBER OF SEQ ID N
SEQ ID NO 136
LENGTH: 1998
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C45
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                                                                                            PRIOR APPLICATION NUMBER: 60/077791 PRIOR FILING DATE: 1998-03-12
                                                                                                                            PRIOR APPLICATION NUMBER: 60/077649 PRIOR FILING DATE: 1998-03-11
                                                                                                                                                                         PRIOR FILING DATE: 1998-03 PRIOR APPLICATION NUMBER:
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PRIOR APPLICATION NUMBER: 60/077450
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                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 60/066364
ORGANISM: Homo sapiens
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23; Conserv
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Stewart, Timothy A.
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Gurney, Austin L.
Hillan, Kenneth J
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Williams, P. Mickey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Napier, Mary A.
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                                                              Application NOS: 624
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Margaret Ann
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Pred. No.
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US-10-264-237-890
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                                                                                                                                                                                                                                              Sequence 890, Application US/10264237
GENERAL INFORMATION:
APPLICANT: Birse et al.
TITLE OF INVENTION: Nucleic Acids, Proteins,
                                    SOFTWARE: PatentIn Ver. 3.1
SEQ ID NO 890
LENGTH: 1765
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LENGTH: 1740
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Best Local Similarity
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LENGTH: 1689
                                                                                            CURRENT APPLICATION NUMBER: US/10/264,237
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
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                                                                                                                                                                                                                                  FILE REFERENCE: PA131P1
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PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
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CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
PRIOR FILING DATE: 2001-05-18
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ORGANISM: Homo sapiens
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                                                        SEQ ID NO 136
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PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
                                                                       Remaining Prior A
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PRIOR
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PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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                                                                                                            PRIOR APPLICATION NUMBER: 60/077791 PRIOR FILING DATE: 1998-03-12
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TYPE: DNA
ORGANISM: Homo sapiens
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                                     ENGTH: 1998
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APPLICATION NUMBER: 60/077450
FILING DATE: 1998-03-10
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Baker Kevin P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Williams, P. Mickey Wood, William I.
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Stewart, Timothy A.
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Kuo, Sophia S.
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Gurney, Austin L.
Hillan, Kenneth J
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Filvaroff, Ellen
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               James
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mary A.
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100.0%; Pred. No.
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; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 995
; LENGTH: 1539
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-264-237-995
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CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
SOFTWARE: PATENTIN Ver. 3.1
SEQ ID NO 40
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, NAME/KEY: misc_feature
; LOCATION: (912)..(912)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-264-237-40
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GENERAL INFORMATION:
APPLICANT: Birse et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA131P1
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                    Query Match
Best Local :
  Matches
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CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEO ID NOS: 2876
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TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA131P1
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LOCATION: (1078)..(1078)
OTHER INFORMATION: n equals a,t,g, or c
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                    Local Similarity
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Similarity 100.0%; Pred. No.
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1.4%; Score 23; DB 6; Length 1539; ilarity 100.0%; Pred. No. 0.059; Conservative 0; Mismatches 0; Indels
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0.059;
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US-10-264-237-1007
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US-09-602-472A-1
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GENERAL INFORMATION:
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SEQ ID NO 1007
LENGTH: 1571
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Best Local 9
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CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
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TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA131P1
                                                                          Matches
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APPLICANT: Hu, Xu
APPLICANT: Li, Guihua
APPLICANT: Li, Guihua
TITLE OF INVENTION: Sunflower Disease Resistance Genes
FILE REFERENCE: 35718/200630
CURRENT APPLICATION NUMBER: US/09/602,472A
CURRENT FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: 60/140,876
PRIOR FILING DATE: 1999-06-24
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                                                                                                                                                                                    TYPE: DNA
ORGANISM: Helianthus annuus
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                                                                                                                                                                                                                            LENGTH: 1593
1597 TGTAAAAAAAAAAAAAAAAAAA 1619
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Local Similarity 100.0%; Pred. No. 0.059;
hes 23; Conservative 0; Mismatches
                                                                          Local Similarity
les 23; Conserv
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                                                                          Conservative
                                                                          100.0%; F
ative 0;
                                                                                            1.4%; Score 23;
100.0%; Pred. No.
                                                                            Mismatches
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; Sequence 457, Application US/10264237; GENERAL INFORMATION: ; APPLICANT: Birse et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

RESULT 20 US-10-264-237-457

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; NAME/KEY: misc_feature
; LOCATION: (74)..(74)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-264-237-1055
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US-10-264-237-1055
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PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
SOFTWARE: Patentin Ver. 3.1
SEQ ID NO 1055
LENGTH: 785
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GENERAL INFORMATION:
APPLICANT: Birse et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA131P1
CURRENT APPLICATION NUMBER: US/10/264,237
CURRENT FILING DATE: 2002-10-04
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Best Local
APPLICANT: Birse et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA131p1
CURRENT APPLICATION NUMBER: US/10/264,237
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR APPLICATION NUMBER: US 60/205,515
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LENGTH: 574
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PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
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CURRENT APPLICATION NUMBER: US/10/264,237
CURRENT FILING DATE: 2002-10-04
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ORGANISM: Homo sapiens
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100.0%; Pred. No.
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Sequence 563, Application US/10264237

Sequence 563, Application US/10264237

GENERAL INFORMATION:
APPLICANT: Birse et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PA131P1

CURRENT APPLICATION NUMBER: US/10/264,237

CURRENT FILING DATE: 2002-10-04

PRIOR APPLICATION NUMBER: PCT/US01/16450

PRIOR FILING DATE: 2001-05-18

PRIOR APPLICATION NUMBER: PCT/US01/16450

PRIOR APPLICATION NUMBER: DS 60/205,515

PRIOR APPLICATION NUMBER: DS 60/205,515

PRIOR FILING DATE: 2000-05-19

NUMBER OF SEQ ID NOS: 2876

SOFTWARE: PATENTIAN Ver. 3.1

SEQ ID NO 563

LENGTH: 1092
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-264-237-687
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Best Local :
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SEQ ID NO 687
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: PCT/US02/33408
CURRENT FILING DATE: 2002-10-18
PRIOR APPLICATION NUMBER: US 60/344,545
PRIOR FILING DATE: 1999-10-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: RIKEN
APPLICANT: HAYASHI, Yasunori
TITLE OF INVENTION: NR3B Receptor Subunit Compositions and Related Methods
FILE REFERENCE: M00656.70068.W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 23
SOFTWARE: PatentIn version 3.0
                                                                         NAME/KEY: misc_feature
LOCATION: (57)..(57)
OTHER INFORMATION: n equals
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 2876
OTHER INFORMATION: n equals a,t,g,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 1040
TYPE: DNA
ORGANISM: Rattus norvegicus
                  NAME/KEY: misc_feature LOCATION: (227)..(227)
                                                           FEATURE:
                                                                                                                                                     ORGANISM: Homo sapiens
                                                                                                                                                                               TYPE: DNA
                                                                                                                                        FEATURE:
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100.0%; Pred. No.
tive 0; Mismatc
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100.0%; Pred. No.
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PRIOR APPLICATION NUMBER: US/05/617,675
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: US 60/143,878
PRIOR FILING DATE: 1999-07-15
NUMBER OF SEQ ID NOS: 2908
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1361
LENGTH: 286
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FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(286)
OTHER INFORMATION: n = A,T,C or G
US-10-266-131-1361
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US-10-240-425-758/c
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TITLE OF INVENTION: GENES DISPLAYING ENHANCED EXPRESSION DURING CELLULAR SENESCENCE
TITLE OF INVENTION: TERMINAL CELL DIFFERENTIATION AND USES THEREOF
FILE REFERENCE: A34584-A-PCT-USA (070050.1664)
CURRENT APPLICATION NUMBER: US709/907,907A
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: US 09/243,277
PRIOR FILING DATE: 1999-02-02
NUMBER OF SEQ ID NOS: 51
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 31
LENGTH: 315
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APPLICANT: Fisher, Paul B.
APPLICANT: Leszcyniecka, Magdalena
Sequence 758, Application US/10240425
GENERAL INFORMATION:
APPLICANT: Williams, Amanda
APPLICANT: Boland, Joseph F.
APPLICANT: Lord, Reginald V.
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APPLICANT: Zambrowicz, Brian
APPLICANT: Sands, Arthur T.
TITLE OF INVENTION: Novel Murine Polynucleotide Tags and
TITLE OF INVENTION: Mutant Cells and Mutant Animals Defined Thereby
FILE REFERENCE: LEX-0030-USA
                                                                                                                                                                                                                                                                                                                                                        Query Match
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CURRENT FILING DATE: 2002-10-07
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ORGANISM: Homo sapiens
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100.0%; Pred. No. 0.
ative 0; Mismatches
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US-10-240-425-758
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LENGTH: 523
TYPE: DNA
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APPLICANT: Vockley, Joseph G.
APPLICANT: Vockley, Joseph G.
TITLE OF INVENTION: Gene Expression Profiles in Esophageal Tissue
FILE REFERENCE: 44921-5026
CURRENT FILING DATE: 2002-09-30
CURRENT FILING DATE: 2002-09-30
PRIOR APPLICATION NUMBER: PCT/US01/09847
PRIOR APPLICATION UNMBER: PCT/US01/09847
PRIOR FILING DATE: 2001-03-28
PRIOR FILING DATE: 2001-03-31
NUMBER OF SEO ID NOS: 1588
COMMUNER OF SEO ID NOS: 1588
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                                                                                                                          Query Match
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APPLICANT: Scherf, Uwe
APPLICANT: Vockley, Joseph G.
APPLICANT: Vockley, Joseph G.
TITLE OF INVENTION: Gene Expression Profiles in Esophageal Tissue
FILE REFERENCE: 44921-5026
CURRENT APPLICATION NUMBER: US/10/240,425
CURRENT FILING DATE: 2002-09-30
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NUMBER OF SEQ ID NOS: 1588
SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: PCT/US01/09847 PRIOR FILING DATE: 2001-03-28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Genbank Accession No. A1675419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
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                                                                                                                                                                                         OTHER INFORMATION: Genbank Accession No. AI262104
                                                                                                                                                                                                                               ORGANISM: Homo sapiens
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                                          1597 ТGТААААААААААААААААААА 1619
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52 TGTAAAAAAAAAAAAAAAAAAA 30
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23; Conserv
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Lord, Reginald V.
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                                                                                    Conservative
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100.0%; Pred. No. 0.0
ative 0; Mismatches
                                                                                                      1.4%; Score 23;
100.0%; Pred. No.

 Mismatches

                                                                                                        DB 6; Length 523; 0.061;
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US-10-264-237-114; Application US/10264237; Sequence 114; Application US/10264237

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; Sequence 114, APPLIC ; GENERAL INFORMATION:

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US-10-240-425-1530
                                                                                                                                   SEQ ID NO 1530
LENGTH: 2305
TYPE: DNA
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; ORGANISM: Homo sapiens
US-10-266-829-15
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CURRENT FILING DATE: 2002-10-09
PRIOR APPLICATION NUMBER: 09/756,168
PRIOR FILING DATE: 2001-01-09
PRIOR APPLICATION NUMBER: PCT/US00/19735
PRIOR FILING DATE: 2000-07-20
PRIOR APPLICATION NUMBER: 60/145,220
PRIOR FILING DATE: 1999-07-23
NUMBER OF SEQ ID NOS: 146
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          Query Match
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APPLICANT:
APPLICANT:
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APPLICANT:
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                                                                                                                                                                                                               APPLICANT: Vockley, Joseph G.
TITLE OF INVENTION: Gene Expression Profiles in Esophageal Tissue
FILE REFERENCE: 44921-5026
CURRENT APPLICATION NUMBER: US/10/240,425
CURRENT FILING DATE: 2002-09-30
PRIOR APPLICATION NUMBER: PCT/US01/09847
PRIOR FILING DATE: 2001-03-28
PRIOR FILING DATE: 2001-03-28
PRIOR APPLICATION NUMBER: US 60/193,446
PRIOR APPLICATION NUMBER: US 60/193,446
RIOR APPLICATION NUMBER: US 60/193,446
RIOR APPLICATION NUMBER: US 60/193,446
RIOR FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 1588
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Williams, Amanda
APPLICANT: Boland, Joseph F.
APPLICANT: Lord, Reginald V.
APPLICANT: Alvarez, Chris
                                                    FEATURE: OTHER INFORMATION: Genbank Accession No. X06374
                                                                                                                                                                                                SOFTWARE: PatentIn Ver.
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TITLE OF INVENTION: 29 Human secreted proteins
FILE REFERENCE: PZ041P1
                                                                                                    ORGANISM: Homo sapiens
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Scherf, Uwe
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US-09-907-907A-23
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SEQ ID NO 23
LENGTH: 198
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; ORGANISM: Homo sapiens
US-09-513-999C-20982
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                                                                                    Matches
                                                                                                                            Query Match
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SOFTWARE: Patent.pm
SEQ ID NO 20982
LENGTH: 102
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                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Leszcyniecka, Magdalena TITLE OF INVENTION: GENES DISPLAYING ENHANCED EXPRESSION DURING CELLULAR SENESCENC TITLE OF INVENTION: TERMINAL CELL DIFFERENTIATION AND USES THEREOF FILE REFERENCE: A34584-A-PCT-USA (070050.1664) CURRENT APPLICATION NUMBER: US/09/907,907A CURRENT APPLICATION NUMBER: US/09/907,907A CURRENT FILING DATE: 2001-07-16
                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 09/243,277
PRIOR FILING DATE: 1999-02-02
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APPLICANT: Giordano, J.Y.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
FILE REFERENCE: 59.US2.REG
CURRENT FILING DATE: 2000-02-24
CURRENT FILING DATE: 2000-02-24
CURRENT FILING DATE: 2000-02-24
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                                       1597 ТСТАААААААААААААААААААА 1619
                                                                                                                                                                     LOCATION: 21
OTHER INFORMATION: a or c or g or t
                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                  NAME/KEY: unsure
                                                                                                                                                                                                                                                          FEATURE:
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                                                                      ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTA
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APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Goddwski, Paul J.
APPLICANT: Goddwski, Paul J.
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: Chang, Zemin
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3430R1C79
FILE REFERENCE: P3430R1C79
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CURRENT APPLICATION NUMBER: 10/052586
PRIOR APPLICATION NUMBER: 10/052586
PRIOR FILLING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 60/059263
PRIOR APPLICATION NUMBER: 60/059263
PRIOR APPLICATION NUMBER: 60/059266
PRIOR FILLING DATE: 1997-09-18
PRIOR FILLING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILLING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063120
PRIOR FILLING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063121
PRIOR APPLICATION NUMBER: 60/063486
PRIOR FILLING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063540
PRIOR APPLICATION NUMBER: 60/063540
PRIOR APPLICATION NUMBER: 60/063541
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APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
                                               SEQ ID NO 215
LENGTH: 1337
                                                                                    PRIOR APPLICATION NUMBER: 60/063544
PRIOR FILING DATE: 1997-10-28
Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 612
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US-10-264-237-114
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; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-230-437-15
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PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR APPLICATION NUMBER: 60/079656
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PRIOR APPLICATION NUMBER: 60/079728
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Query Match

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DR FILING DATE: 1999-11-09

DR APPLICATION NUMBER: 60/166361

DR FILING DATE: 1999-11-16

DR APPLICATION NUMBER: 60/169445

DR FILING DATE: 1999-12-07

DR APPLICATION NUMBER: 60/169495

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APPLICATION NUMBER: 60/149638
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FILING DATE: 1999-08-31
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Search completed: November 8, 2002, 02:00:30 Job time: 3659.06 secs

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PRIOR APPLICATION NUMBER: 60/101786
PRIOR FILING DATE: 1998-09-25
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PRIOR APPLICATION NUMBER: 60/1019186
PRIOR APPLICATION NUMBER: 60/106178
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PRIOR APPLICATION NUMBER: 60/106248
PRIOR APPLICATION NUMBER: 60/1060644
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; ORGANISM: Homo Sapien
US-10-218-631-15
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Best Local Sim
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                             CTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCT
                                                                    ACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGC
                                                                                             TTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGA
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Similarity 99.9%;
84; Conservative
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Pred. No. 9.6e-234;
0; Mismatches 0;
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APPLICANT: SCEPAN, Jean-FILIPPE F.
APPLICANT: WOOD, WILLIAM I.
APPLICANT: WOOD, WILLIAM I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C19
CURRENT APPLICATION NUMBER: US/10/218,765
CURRENT APPLICATION NUMBER: US/10/218,765
CURRENT FILING DATE: 2002-08-12
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/05913
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/06287
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/064103
PRIOR APPLICATION NUMBER: 60/069873
PRIOR APPLICATION NUMBER: 60/079910
PRIOR APPLICATION NUMBER: 60/079294
PRIOR APPLICATION NUMBER:
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US-10-218-765-15
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Gerritsen, Mary
Goddard, Audrey
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Smith, Victoria
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Grimaldi, J. Christopher
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            CGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGAGGACTGGCGCCGGG
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                                                    CTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGGACTTAGACTGGGGCTCGGCCT
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CURRENT APPLICATION NUMBER: 10/119/480
PRIOR APPLICATION NUMBER: 10/119/480
PRIOR ETLING DATE: 2002-04-09
PRIOR ETLING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/06287
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/078910
PRIOR APPLICATION NUMBER: 60/079294
PRIOR APPLICATION NUMBER: 60/079728
PRIOR APPLICATION NUMBER: 60/079778
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-27
PRIOR PRI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C14
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Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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; ORGANISM: Homo US-10-218-612-15
                                                                                                                                                          CURRENT APPLICATION NUMBER: US/10/218/612
CURRENT FILING DATE: 2002-08-12
PRIOR APPLICATION NUMBER: 10/119/480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR PRIOR DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-31
PRIOR PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/079910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR APPLICATION NUMBER: 60/079294
PRIOR APPLICATION NUMBER: 60/079656
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
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US-10-218-612-15
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                 SEQ ID NO 15
LENGTH: 1524
TYPE: DNA
ORGANISM: HOM
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APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C21
                                                                                        Remaining Prior A
                                                                                                                             PRIOR APPLICATION NUMBER: 60/079728 PRIOR FILING DATE: 1998-03-27
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APPLICANT: Desnoyers, I
APPLICANT: Gerritsen, I
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Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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Gerritsen, Mary
Goddard, Audrey
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                                              ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTA 1220
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PRIOR APPLICATION NUMBER: 10/119 480

PRIOR PILING DATE: 2002-04-09

PRIOR APPLICATION NUMBER: 60/059113

PRIOR APPLICATION NUMBER: 60/059113

PRIOR APPLICATION NUMBER: 60/06287

PRIOR APPLICATION NUMBER: 60/06349

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/064103

PRIOR FILING DATE: 1997-10-31

PRIOR APPLICATION NUMBER: 60/06473

PRIOR TILING DATE: 1997-12-17

PRIOR APPLICATION NUMBER: 60/078910

PRIOR APPLICATION NUMBER: 60/07994

PRIOR APPLICATION NUMBER: 60/079294

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                                                             ; ORGANISM: Homo Sapien US-10-216-168-15
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LENGTH: 1524
                  Query Match
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APPLICANT: Wood, William I.

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C10
Best Local
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                                                                                                                                                                      Remaining Prior A
NUMBER OF SEQ ID
                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: 60/079728
                                                                                                                                                                                                                                                            PRIOR FILING DATE: 1998-03-26
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Similarity
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Grimaldi, J. Christopher
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Smith, Victoria
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78.1%;
99.9%;
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Score 1264; DB 42; Pred. No. 9.6e-234;
                                                                                                                                                                                                 See File Wrapper
                      Length 1524;
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ACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAG
                            CGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCAGCACAGCACCTTGC 1140
                                                                                                                                         CGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCGCGGG 1160
                                                                                 ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTA 1220
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                                                                                                                                                         CGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCGGGG 1020
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US-10-216-167-15
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CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR TILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-38
PRIOR APPLICATION NUMBER: 60/064103
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PRIOR APPLICATION NUMBER: 60/069873
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                                    Matches 1384;
                                                      Query Match 78.1%;
Best Local Similarity 99.9%;
                                                                                                                                                                                                       SEQ ID NO 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 15, Applica GENERAL INFORMATION:
                                                                                                                                                                                                                    Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 246
                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
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Wood, William I.
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Grimaldi, J. Christopher
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Gerritsen, Mary
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Smith, Victoria
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                                    Conservative
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CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/06287
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/064103
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PRIOR APPLICATION NUMBER: 60/079294
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PRIOR APPLICATION NUMBER: 60/079656
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-27
PRIOR FILING DATE: 1998-03-27
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Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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Gerritsen, Mary
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Watanabe, Colin L.
Wood, William I.
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APPLICANT: Subplan Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SCENETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PLC7
CURRENT ENCODING THE SAME
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1907-09-17
PRIOR APPLICATION NUMBER: 60/06287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-38
PRIOR FILING DATE: 1997-10-38
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/078910
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079294
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079294
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NUMBER OF SEQ ID NOS: 2:
SEQ ID NO 15
SEQ ID NO 15
LENGTH: 1524
TYPE: DNA
ORGANISM: Homo Sapien
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mar
APPLICANT: Goddard, Audre
APPLICANT: Godowski, Paul
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APPLICANT:
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GGCAACTITITGCGGATIGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA
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Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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Gerritsen, Mary
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                                CTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCCGGAAGTAGGAC
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; LENGTH: 1524
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; ORGANISM: HOMO S
US-10-216-164-15
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CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/119/480
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 2002-04-09
PRIOR PPLICATION NUMBER: 60/06287
PRIOR PPLICATION NUMBER: 60/06287
PRIOR PPLICATION NUMBER: 60/063549
PRIOR PLILING DATE: 1997-10-21
PRIOR APPLICATION NUMBER: 60/064103
PRIOR PPLICATION NUMBER: 60/069873
PRIOR PPLICATION NUMBER: 60/069873
PRIOR APPLICATION NUMBER: 60/078910
PRIOR APPLICATION NUMBER: 60/079294
PRIOR PPLICATION NUMBER: 60/079294
PRIOR APPLICATION NUMBER: 60/079294
PRIOR PRILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079728
PRIOR APPLICATION NUMBER: 60/079728
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US-10-216-164-15
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LENGTH: 1524
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Best Local Similarity
                                                                                                                                                                                                                              Matches 1384;
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APPLICANT:
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                   GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA
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Stephan, Jean-Philippe Watanabe, Colin L. Wood, William I.
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Grimaldi, J. Christopher
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APPLICANT: Godowski, Paul J.
APPLICANT: Grinaldi, J. Christopher
APPLICANT: Grinaldi, J. Christopher
APPLICANT: Grinaldi, J. Christopher
APPLICANT: Grinaldi, J. Christopher
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
APPLICANTON NUMBER: US/10/216,163
CURRENT APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/05913
PRIOR APPLICATION NUMBER: 60/062287
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-21
PRIOR APPLICATION NUMBER: 60/078910
PRIOR APPLICATION NUMBER: 60/078910
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079294
                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Homo Sapien US-10-216-163-15
                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 1384; Conserv
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NUMBER OF SEQ ID NOS: 246
SEQ ID NO 15
LENGTH: 1524
TYPE: DNA
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US-10-216-162-15
Sequence 15, Application US/10216162
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Wattanabe, Colin L.
APPLICANT: Wood, William I.
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APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: Wood, William I.
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CURRENT APPLICATION NUMBER: US/10/216,162
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/069873
PRIOR APPLICATION NUMBER: 60/076973
PRIOR APPLICATION NUMBER: 60/078910
PRIOR APPLICATION NUMBER: 60/079910
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; ORGANISM: Homo
US-10-216-162-15
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Remaining Prior Application d
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 15
LENGTH: 1524
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Grimaldi, J. Christopher
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; LENGTH: 1524
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APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C8
                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/10/216,160 CURRENT FILING DATE: 2002-08-09 Prior Application removed - See File Wraps NUMBER OF SEQ ID NOS: 246
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APPLICANT: Desnoyers,
APPLICANT: Gerritsen,
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Gurney, Austin L.
Smith, Victoria
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CURRENT APPLICATION NUMBER: US/10/216,159A
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/06287
PRIOR PILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR PRIOR PILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/079873
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/0798910
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079294
PRIOR APPLICATION NUMBER: 60/07978
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-27
PRESENTER OF SEQ ID NOS: 246
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; Sequence 15, Applica
; GENERAL INFORMATION:
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Query Match
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Watanabe, Colin L.
Wood, William I.
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Grimaldi, J. Christopher
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                                                                  ACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTA
                                                                                                              CCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTG
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CURRENT APPLICATION NUMBER: US/10/119,480
COURRENT FILING DATE: 2002-04-09
NUMBER OF SEQ ID NOS: 246
Prior Application removed - See File Wr
SEQ ID NO 15
LENGTH: 1524
TYPE: DNA
ORGANISM: Homo Sapien
US-10-119-480-15
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APPLICANT: Desnoyers, Lu
APPLICANT: Goddard, Audr
APPLICANT: Godowski, Pau
APPLICANT: Grimaldi, J
APPLICANT: Gurney, Austi
                                                                                                                                                                                                                                                                                                                                                                              Sequence 15, Application US/10119480 GENERAL INFORMATION:
                                                                    Query Match
Best Local Similarity
Matches 1384; Conserv
                                                                                                                                                                                                                      APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES
FILE REFERENCE: P3530P1C1
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                       GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA
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Godowski, Paul
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                                                                     Conservative
                                                                                78.1%;
99.9%;
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                                                                    Score 1264; D
Pred. No. 9.6e
0; Mismatches
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                                                                                DB 40;
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; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: 1600.1170-001
; CURRENT APPLICATION UNMER: US/09/652,917
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/.51,422
; PRIOR FILING DATE: 1999-08-30
; NUMBER OF SEQ ID NOS: 3855
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2477
; LENGTH: 1917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-652-917-2477
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1519; Conservative
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AAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGCTCCGCACCACCATCCTGTTCCTCAA 378
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                                                            TAGGGCTGGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCT
                                                                          TAGGGCTGGAGGGCCACTTCCCACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCT 858
                                                                                                                   GTCCATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCT
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                                                                                                                                               GTCCATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCT 798
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Pred. No. 1.7e-240;
0; Mismatches 2;
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SEQUENCE 7188, APPLICATION US/09801833
GENERAL INFORMATION:
APPLICANT: GLUCKSMANIN, M. ALEXANDRA
TITLE OF INVENTION: NUCLEIC ACID MOLECULES DEI
TITLE OF INVENTION: HUMAN BRAIN LIBRARY
FILE REFERENCE: 1600.1037-005
CURRENT APPLICATION NUMBER: US/09/801,833
CURRENT APPLICATION NUMBER: 09/371,168
PRIOR APPLICATION NUMBER: 60/371,168
PRIOR FILING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: 60/095,907
PRIOR APPLICATION NUMBER: 60/103,145
PRIOR APPLICATION NUMBER: 60/103,145
PRIOR FILING DATE: 1998-08-10
PRIOR APPLICATION NUMBER: 60/103,145
PRIOR FILING DATE: 1998-10-05
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; TYPE: DNA
; ORGANISM: Homo
US-09-801-833-7188
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                                              SOFTWARE: FastSEQ
SEQ ID NO 7188
LENGTH: 1917
                                                                                            NUMBER OF SEQ ID NOS: 8285
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; ORGANISM: Homo sapiens
US-09-652-914-8473
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SOFTWARE: FastSEQ fo
SEQ ID NO 8473
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APPLICANT: Shyjan, Andrew W.
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TITLE OF INVENTION: MOVEL NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.1193-001
CURRENT APPLICATION NUMBER: US/99/652,914
CURRENT FILING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: 60/152,112
PRIOR APPLICATION NUMBER: 60/152,112
PRIOR FILING DATE: 1999-08-31
PRIOR FILING DATE: 1999-08-31
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199 ATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACT 258
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                                                                                                                     GAGCTCGGTAAAGCATTCTGAATAAATTCAGCTTGAACTGAATTTTCAGTATGTACTTGAA
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                                                                                                                                                                                 ATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTG 732
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Pred. No. 1.7e-240;
0; Mismatches 2;
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	RESULT 31 US-09-652-917-2477 ; Sequence 2477, Application US/09652917 ; GENERAL INFORMATION: ; APPLICANT: Shyjan, Andrew W. ; APPLICANT: Distefano, Peter	
	QY 1579 ATTAAATGCTTTAGACAGTGTA 1600	
1578 1871		
1518 1811		
1458 1751	ο ω	
1398 1691	QY 1339 ACAACAATCAGCCCTGGGCAGACACGAGCAGGAGAGAGAAGAAAAAAAA	
1338 1631	QY 1279 GGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTC	
1278 1571	QY 1219 TCCGAGAAGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTG	
1218 1511	Qy 1159 TGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTC	
1158 1451	QY 1099 GGTTGGCGTGCTGCAGCGACAGGCGGCAGCACAGCACCTTGCACGAACACCCGCCGAAAC	
1098 1392	Qy 1039 GCTGCACAAAGCGGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGT	
1038 1332	Qy 979 AGAAAATCTTCTCAGTTCTCCTTGCAGAGAGCTGGCGCCGGGACGCGAAGAGCAACGGGC	
978 1272	Qy 919 ACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTA	
918 1212	Qy 859 CCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGGCTGAGTTGGGCTCTAGTG	
858 1152	Qy 799 TAGGGCTGGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCT	
798 1092	Qy 739 GTCCATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGAGTGAGAGTGAGGTTTTCT	
738 1032	Db 973 GGCAGAGTCCTTAGAAGTCACTGAGGTGGCATCTGCCTTTTGTAAAGCCTCCAGT	

OF INVENTION:

NOVEL NUCLEIC ACID MOLECULES AND USES

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APPLICANT: Shyjan, Andrew W.
APPLICANT: Shyjan, Andrew W.
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFOR
TITLE OF INVENTION: THEREFOR
TITLE APPLICATION NUMBER: US/09/652,355
CURRENT APPLICATION NUMBER: US/09/652,355
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/151,136
PRIOR FILING DATE: 1999-08-30
NUMBER OF SEQ ID NOS: 11227
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 9112
LENGTH: 1917
TYPE: DNA
OCCANISM: USO SERVERS
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US-09-652-355-9112
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                                                                                             AAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCACCATCCTGTTCCTCAA 378
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ATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTG 438
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99.8%;
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                                                                   GCATGAGAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTT
                                                                                           GGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTC
                                               GCATGAGAACACAGTAAATAAATAAAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCTT
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FILE REFERENCE: 1600.1171-001
CURRENT APPLICATION NUMBER: US/09/652,128
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/151,133
PRIOR FILING DATE: 1999-08-30
NUMBER OF SEQ ID NOS: 10265
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 7518
                                                                                                                                                                                                                                                                                                                                                                                                                US-09-652-128-7518; Sequence 7518, Application US/09652128; GENERAL INFORMATION:
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                                                                                                                           Matches 1519;
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                                                                                                                                                                                                                TYPE: DNA
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            139 GTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATC 198
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US-09-652-121-6191
; Sequence 6191, Application US/09652121
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                                                                                                                                                    GENERAL INFORMATION
                           APPLICANT: DIStefano, Peter
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.1188-001
CURRENT APPLICATION NUMBER: US/09/652,121
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/151,129
PRIOR FILING DATE: 1999-08-30
NUMBER OF SEQ ID NOS:
SOFTWARE: FastSEQ for
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TYPE: DNA
ORGANISM: Homo sapiens
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      AGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGC 1038
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Pred. No. 1.7e-240;
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SOFTWARE: FastSEQ for
SEQ ID NO 9370
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APPLICANT: McCarthy, Sean A.
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Matches 1519; Conserva
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Best Local
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TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.1180.001
CURRENT APPLICATION NUMBER: US/09/652,109
CURRENT FILING DATE: 2000-08-30
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TYPE: DNA
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                 GTCCATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCT
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VENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
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Pred. No. 1.7e-240;
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                                                                                                 TCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTG 1278
                                                                                                                                               TGCTGCGAGGACACCGTGTACAGGAGCGGGGTTGATGACCGAGCTGAGGTAGAAAAACGTC 1218
                                                                                                                                                                                  GCTGCACAAAGCGGGCGCTGTCGGTGGTGGGGGGCGCATGTACGCGCAGGCGCTTCTCGT 1098
                                                                                                                                                                                                                                                                                              AGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCCGAAGAGCAACGGGC 1038
                                                                                                                                                                                                                                                                                                                                           ACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTA 978
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                                                                                     TCCGAGAAGGGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTG
                                                                                                                                   TGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTC
                                                                                                                                                                                                           GGTTGGCGTGCTGCAGCGACAGCGGCAGCACCACCTTGCACGAACACCCGCCGAAAC 1158
                                                                                                                                                                                                                                  GCTGCACAAAGCGGGGGGTGTCGGTGGTGGGAGTGCGCATGTACGCGCAGGCGCTTCTCGT 1392
                                                                                                                                                                                                                                                                                AGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCGGGACGCGAAGAGCCAACGGGC
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; LENGTH: 1917
; TYPE: DNA
; ORGANISM: HOMO s
US-09-644-873-9077
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APPLICANT: Holtzman, Douglas A.
APPLICANT: Holtzman, Douglas A.
TITLE OF INVENTION: MOVEL NUCLEIC ACID MOLECULES ANI
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.1169-001
CURRENT APPLICATION NUMBER: US/09/644,873
CURRENT APPLICATION NUMBER: 09.784
PRIOR APPLICATION NUMBER: 60/151,064
PRIOR APPLICATION NUMBER: 60/151,064
PRIOR FILING DATE: 1999-08-27
NUMBER OF SEQ ID NOS: 11286
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US-09-644-873-9077
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SEQ ID NO 9077
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Best Local Similarity
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                                                                             ATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTG
                                                                                                                                                                                         ATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACT
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TTTATTCTGGGTAGGGAGCGGGAGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAA
                           AAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCACCATCCTGTTCCTCAA
                                                                                                                                                                                                                   GAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAACGGGCCCAAGGCCCAAGAA
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; LENGTH: 1917
; TYPE: DNA
; ORGANISM: HOMO :
US-09-371-168-7188
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TITLE OF INVENTION: NUCLEIC ACID MOLECULES DE
TITLE OF INVENTION: HUMAN BRAIN LIBRARY
FILE REFERENCE: MLN98-37pA
CURRENT APPLICATION NUMBER: U5/09/371,168
CURRENT FILING DATE: 1999-08-10
EARLIER APPLICATION NUMBER: 60/095,907
EARLIER FILING DATE: 1998-08-10
EARLIER FILING DATE: 1998-10-05
EARLIER FILING DATE: 199
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Matches 1519; Conserv
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LENGTH: 1917
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GENERAL INFORMATION:
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GAACTCAGTTTGCATCAGCTGCTGCAACACCCCCTCTTTGTAACGGGCCCAAGGCCCCAAGAA
                                                  ATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACT
                                                                          ATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACT
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Pred. No. 1.9e-255;
0; Mismatches 2;
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Sequence 1608, Application US/09726805
GENERAL INFORMATION:
APPLICANT: Gearing, David P.
APPLICANT: Holtzman, Douglas A.
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND TITLE OF INVENTION: THEREFOR FILE REFERENCE: 1600.2017-001
CURRENT APPLICATION NUMBER: US/09/726,805
CURRENT FILING DATE: 2000-11-30
PRIOR APPLICATION NUMBER: 60/168,140
PRIOR FILING DATE: 1999-11-30
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US-09-726-805-1608/c
                                                                                                                                                                   NUMBER OF SEQ ID NOS: 2158
SOFTWARE: FastSEQ for Windows
SEQ ID NO 1608
                                            Query Match
Best Local Similarity
Matches 1597; Conserv
                                                                                                                   LENGTH: 1925
TYPE: DNA
ORGANISM: Homo
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; ORGANISM: Homo sapiens
US-09-699-997-11085
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Best Local Similarity
Matches 1597; Conserv
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LENGTH: 1925
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CURRENT FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: 60/162,359
PRIOR FILING DATE: 1999-10-29
NUMBER OF SEQ ID NOS: 12714
SOFTWARE: FASLSEQ for Windows Version 4.
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APPLICANT: DiStefano, Peter
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.2020-001
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TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLEC TITLE OF INVENTION: THEREFOR FILE REFERENCE: 1600.2036-001 CURRENT APPLICATION NUMBER: US/09/710,281 CURRENT FILING DATE: 2000-11-10 PRIOR APPLICATION NUMBER: 60/184,254 PRIOR FILING DATE: 1999-11-09 NUMBER OF SEQ ID NOS: 5803 SOFTWARE: FastSEQ for Windows Version 4.0
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APPLICANT: Hunter, John J.
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SOFTWARE: FastSEQ for
SEQ ID NO 3346
LENGTH: 1925
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DiStefano, Peter
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pred. No. 1.9e-255;
0; Mismatches 2;
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US-09-699-997-11085/c Sequence 11085, Application US/09699997 GENERAL INFORMATION: APPLICANT: Curtis, Rory A.J

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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-652-128-9375
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SEQ ID NO 9375
FRIGTH: 1925
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GENERAL INFORMATION:
APPLICANT: Shyjan, Andrew W.
APPLICANT: Holtzman, Douglas A.
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFOR
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Best Local
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CURRENT APPLICATION NUMBER: US/09/652,128
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/151,133
PRIOR FILING DATE: 1999-08-30
NUMBER OF SEQ ID NOS: 10265
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NUMBER OF SEQ ID NOS: 7615

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 7293

LENGTH: 1925

TYPE: DNA
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Best Local S
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: NOVEL NUCLEIC ACID MITTLE OF INVENTION: THEREFOR FILE REFERENCE: 1600.1188-001
CURRENT APPLICATION NUMBER: US/09/652,121
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/151,129
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              CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCCAACACCCCCTCTTTGTAA 300
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                                              CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT 240
                                                                                                        GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 1448
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DiStefano, Peter
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Pred. No. 1.9e-255;
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PRIOR APPLIANCE 1995
PRIOR FILING DATE: 1995
PRIOR APPLICATION NUMBER: US 60/134,...
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 5775
SOFTWARE: FastSEQ for Windows Version 4.6
SEQ ID NO 4454
LENGTH: 1918
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CURRENT FILING DATE: 2001-03-13
PRIOR APPLICATION NUMBER: US 09/397,022
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: US 60/100,465
PRIOR FILING DATE: 1998-09-15
PRIOR APPLICATION NUMBER: US 60/106,443
PRIOR APPLICATION NUMBER: US 60/107,257
PRIOR FILING DATE: 1998-10-30
PRIOR FILING DATE: 1998-11-15
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                                                                                                                                                          Query Match
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GENERAL INFORMATION:
APPLICANT: Gearing, David P.
APPLICANT: Holtzman, Douglas A.
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TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED
TITLE OF INVENTION: HUMAN FETAL SKIN LIBRARY
FILE REFERENCE: 1600.1046-002
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                                                            1 GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 60
                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 60/126,906 FILING DATE: 1999-03-30 APPLICATION NUMBER: US 60/132,099
                                            GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA
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                                                                                                                                   99.8%;
                                                                                                              Score 1384; DB 31; Pred. No. 8.8e-257; Comptches 2;
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                                               CGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCACAGGCGGCAGCACAGCACC-TGC
                                                                   CGCGCACGCCTTCTCGTGGTTGGCGTGCTGCACGCGACAGGCGGCAGCACAGCACACCTTGC
                                                                                                                                     ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGGGCGCTGTCGGTGGTGGAGTGCGCATGTA
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APPLICANT: Gealing, David P.
APPLICANT: Holtzman, Douglas A.
TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
TITLE OF INVENTION: HUMAN FETAL SKIN LIBRARY
FILE REFERENCE: MLN98-46pM
CURRENT APPLICATION NUMBER: US/09/397,022
CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,465
PRIOR APPLICATION NUMBER: 60/106,443
PRIOR FILING DATE: 1998-10-30
PRIOR APPLICATION NUMBER: 60/107,257
PRIOR APPLICATION NUMBER: 60/107,257
PRIOR APPLICATION NUMBER: 60/126,906
PRIOR APPLICATION NUMBER: 60/126,906
PRIOR APPLICATION NUMBER: 60/132,099
PRIOR FILING DATE: 1999-03-30
PRIOR FILING DATE: 1999-03-30
PRIOR APPLICATION NUMBER: 60/132,099
PRIOR FILING DATE: 1999-03-30
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 5775
SECO ID NOS: 5775
SECO ID NOS: 5775
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; ORGANISM: HOMO
US-09-397-022-4454
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LENGTH: 1918
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                                                                                                 ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTA 1080
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CURRENT EILING DATE: 2002-09-19
PRIOR APPLICATION NUMBER: US 60/323,739
PRIOR APPLICATION NUMBER: US 99/488,725
PRIOR APPLICATION NUMBER: US 99/552,317
PRIOR APPLICATION NUMBER: US 99/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR PILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: PCT/US00/35017
PRIOR APPLICATION NUMBER: US 99/491,404
PRIOR APPLICATION NUMBER: US 99/491,404
PRIOR APPLICATION NUMBER: PCT/US01/02623
PRIOR APPLICATION NUMBER: US 99/496,914
PRIOR APPLICATION NUMBER: US 99/496,914
PRIOR APPLICATION NUMBER: US 99/496,914
PRIOR APPLICATION NUMBER: US 99/560,875
PRIOR APPLICATION NUMBER: PCT/US01/03800
PRIOR PILING DATE: 2000-04-27
PRIOR APPLICATION NUMBER: US 99/515,126
PRIOR APPLICATION NUMBER: US 99/515,126
PRIOR PILING DATE: 2000-02-28
PRIOR PILING DATE: 2000-02-28
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PRIOR PILING DATE: 2000-02-28
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PCT-US02-29964-16
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                                                                                 PCT-US02-29964-16
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                                                                                                                                                                                 SEQ ID NO 16
LENGTH: 1967
TYPE: no.
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Best Local Similarity Matches 1608; Conserv
                                         Query Match
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TITLE OF INVENTION: Novel Nucleic Acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 809ACIP PCT
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                                                                                                  NAME/KEY: CDS
LOCATION: (338)..(763)
                                                                                                                                              FEATURE:
                                                                                                                                                            ORGANISM: Homo sapiens
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Wang, Jian-Rui
Xue, Aidong J.
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Goodrich, Ryle W.
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                         Pred. No.
                                         Score 1388;
          Mismatches
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                                             DB 1; Length 1967;
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                                                                                                                                    ACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGC
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                                                                                                             CTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCT 960
          ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTA 1080
                                                      CGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGG 1020
                                                                                        ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTA
                                             CGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGG
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US-10-212-677-214
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CURRENT FILING DATE: 2002-08-02
NUMBER OF SEQ ID NOS: 288
SOFTWARE: FBSTSEQ for Windows Version 4.0
SEQ ID NO 214
LENGTH: 1897
                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                   Matches 1616;
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APPLICANT: Xu, Jiangchun
APPLICANT: Fanger, Gary R.
APPLICANT: Harlocker, Susan L.
APPLICANT: McNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121,484C7
                 301 CGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCAC 360
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                                                                                                                                                                                                                                                                                                                                                                                                             Match 86.2%;
Local Similarity 99.8%;
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                                                                   CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCCTCTTTGTAA 300
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                                                 CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAA 579
                                                                                                                  CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT 519
                                                                                                                                    CCGCAAGTCCTGTGCATCAGCGGCCTGTCTCATCGCCTGTGTGCGGGTACCAGTCCTT 240
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GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA
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Pred. No. 4.4e-259;
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CURRENT FILING DATE: 2001-10-02
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 214
LENGTH: 1897
                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 214, Application US/09970966 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                     APPLICANT: Molesh, David Alan
APPLICANT: Fling, Steven P.
APPLICANT: Xu, Jiangchun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C6
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                                                                        ACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAG 1478
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GENERAL INFORMATION:

APPLICANT: XU, Jiangchun

APPLICANT: Stolk, John A.

APPLICANT: Fling, Steven P.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE

TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.484C5

CURRENT APPLICATION NUMBER: US/09/825,294

CURRENT FILING DATE: 2001-04-03

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FastSEQ for Windows Version 3.0

SOFTWARE: FastSEQ for Windows Version 3.0

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME YETE.
                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 12
US-09-825-294-214
; Sequence 214, Application US/09825294
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     Query Match 86.2%; Score 1396; DB 31; Best Local Similarity 99.8%; Pred. No. 4.4e-259; Matches 1616; Conservative 0; Mismatches 2;
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OTHER INFORMATION: n = A,T,C or G
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APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Algate, Paul A.
APPLICANT: Filng, Steven P.
APPLICANT: Molesh, David Alan
APPLICANT: Molesh, David Alan
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.48401PC
CURRENT APPLICATION NUMBER: PCT/US01/45395
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 214
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LENGTH: 1832
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CURRENT FILING DATE: 2002-08-02
NUMBER OF SEQ ID NOS: 288
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 211
LENGTH: 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 1619; Conservative (
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APPLICANT: Harlocker, Susan L.
APPLICANT: MCNeill, Particia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 205
LENGTH: 1619
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APPLICANT: Harlocker, Susan L.
APPLICANT: Harlocker, Susan L.
APPLICANT: MCNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121, 484C7
CURRENT APPLICATION NUMBER: US/10/212,677
CURRENT FILING DATE: 2002-08-02
CURRENT FILING DATE: 2002-08-02
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CACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATG
                                                                                  CGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCAC
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APPLICANT: Stolk, John A.
APPLICANT: Molesh, David Alan
APPLICANT: Fling, Steven P.
APPLICANT: Xu, Jiangchun
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 211
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CURRENT APPLICATION NUMBER: US/09/970,966
CURRENT FILING DATE: 2001-10-02
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TYPE: DNA
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Local Similarity 100.0%;
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                                 CTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCT
                                                                                                                        GTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTG
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US-09-970-966-205
Seguence 205, Application US/09970966
GENERAL INFORMATION:
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Hing, Steven P.
APPLICANT: Xu, Jiangchun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THE
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C6
CURRENT APPLICATION NUMBER: US/09/970,966
CURRENT FILING DATE: 2001-10-02
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SOFTWARE: FastSEQ for W
SEQ ID NO 205
LENGTH: 1619
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Pred. No. 7.9e-302;
; Mismatches 0;
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APPLICANT: Stolk, John A.

APPLICANT: Algate, Paul A.

APPLICANT: Filing, Steven P.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN C.FILE REFERENCE: 210121.484C5

CURRENT APPLICATION NUMBER: US/09/825,294

CURRENT FILING DATE: 2001-04-03

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FASTSEQ FOR WINDOWS Version 3.0

SEQ ID NO 205

LENGTH: 1619
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                        CGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCAC
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RESULT 5
US-09-825-294-211
Sequence 211, Application US/09825294
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Hing, Steven P.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN
FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 211
LENGTH: 1619
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CANCER

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Sequence 205, Application US/09713550

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Stolk, John A.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR

TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVE

FILE REFERENCE: 210121.484C4

CURRENT APPLICATION NUMBER: US/09/713,550

CURRENT FILING DATE: 2000-11-14

NUMBER OF SEQ ID NOS: 205

SEQ ID NO 205

LENGTH: 1619

TYPE: DNA

ORGANISM: Homo sapiens
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US-09-825-294-205

Sequence 205, Application GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun

US/09825294

```
APPLICANT: XL, Jlangchun

APPLICANT: Stolk, John A.

APPLICANT: Algate, Paul A.

APPLICANT: Fling, Steven P.

APPLICANT: Fling, Steven P.

APPLICANT: Fling, Steven P.

APPLICANT: Molesh, David Alan
APPLICANT: COMPOSITIONS AND METHODS FOR THE THEI
TITLE OF INVENTION: COMPOSITIONS OF OVARIAN CANCER
FILE REFERENCE: 210121.48401PC
CURRENT FILING DATE: 2001-11-13

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 211
LENGTH: 1619
TYPE: DNA
ORGANISM: Homo sapiens
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PCT-US01-445395-211
Sequence 211, Application PC/TUS0145395; GENERAL INFORMATION:
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             CACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATG 420
                                                                                 CGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCCAGGGCTCCGCAC
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Pred. No. 7.9e-302;
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1260	AAAAACGTCTCCGAGAAGGGGAGGAGGATCATGT 	20 20	DB Qy
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660	TTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAAC	601	Qγ
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	TCCAGCCCTCGCCCCAACCCCCCACCTCCCTGAGTGA		Qy

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APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
APPLICANT: Molesh, David Alan
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.48401PC
CURRENT APPLICATION NUMBER: PCT/US01/45395
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 205
LEBGOTH: 1619
TYPE: DNA
ORGANISM: Homo sapiens
PCT-US01-45395-205
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PCT-US01-45395-205
; Sequence 205, Application PC/TF
; GENERAL INFORMATION:
; APPLICANT: Corixa Corporation
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US-09-644-873-9077
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US-09-652-121-6191
US-09-652-1128-7518
US-09-652-917-2477
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US-09-652-911-9-480-15
US-10-216-159-15
US-10-216-159-15
US-10-216-163-15
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US-10-218-631-15
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1 ggcaactttttgcgg
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             November 7, 2002, 18:02:33 ; Search time 3626.06 Seconds
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'Cgn2_6/ptodata/1/pna/US06_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US081_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US081_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US081_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US082_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US083_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US084_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US086_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US086_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US086_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US086_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US088_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US089_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US089_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US089_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US089_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US090_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US090_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US090_COMB.seq:*
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'Cgn2_6/ptodata/1/pna/US093_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US094_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US095A_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US095A_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US095B_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US095B_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US095B_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US096B_COMB.seq:*
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'Cgn2_6/ptodata/1/pna/US096B_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US096B_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US097A_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US097B_COMB.seq:*
'Cgn2_6/ptodata/1/pna/US101B_COMB.seq:*
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cgn2_6/ptodata/1/pna/PCTUS_COMB.seq: *
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11225.881 Million cell updates/sec
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44: /cgn2_6/ptodata/1/pna/US6000_COMB.seq: * 45: /cgn2_6/ptodata/1/pna/US6001_COMB.seq: * 46: /cgn2_6/ptodata/1/pna/US6002_COMB.seq: * 47: /cgn2_6/ptodata/1/pna/US6003_COMB.seq: * 48: /cgn2_6/ptodata/1/pna/US6004_COMB.seq: * 59: /cgn2_6/ptodata/1/pna/US6006_COMB.seq: * 59: /cgn2_6/ptodata/1/pna/US6006_COMB.seq: * 59: /cgn2_6/ptodata/1/pna/US6006_COMB.seq: * 59: /cgn2_6/ptodata/1/pna/US6009_COMB.seq: * 59: /cgn2_6/ptodata/1/pna/US6001_COMB.seq: * 59: /cgn2_6/ptodata/1/pna/US6010_COMB.seq: * 59: /cgn2_6/ptodata/1/pna/US6011_COMB.seq: * 60: /cgn2_6/ptodata/1/pna/US6012_COMB.seq: * 60: /cgn2_6/ptodata/1/pna/US6012_COMB.seq: * 60: /cgn2_6/ptodata/1/pna/US6012_COMB.seq: * 60: /cgn2_6/ptodata/1/pna/US6022_COMB.seq: * 60: /cgn2_6/ptodata/1/pna/US6022_COMB.seq: * 60: /cgn2_6/ptodata/1/pna/US6022_COMB.seq: * 60: /cgn2_6/ptodata/1/pna/US6022_COMB.seq: * 60: /cgn2_6/ptodata/1/pna/US6023_COMB.seq: * 60: /cgn2_6/ptodata/1/pna/US6023_COMB.seq: * 60: /cgn2_6/ptodata/1/pna/US6023_COMB.seq: * 60: /cgn2_6/ptodata/1/pna/US6023_COMB.seq: * 60: /cgn2_6/ptodata/1/pna/US6032_COMB.seq: * 60: /cgn2_6/ptodata/1
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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85.1	85.1	85.1	85.1	85.5	85.5	85.7	86.2	86.2	86.2	86.2	88.1	100.0	100.0	100.0	100.0	100.0	T00.0	T00.0	T00.0	100.0	1 1 1 1 1 1	Match	Query
1925	1925	1925	1925	1918	1918	1967	1897	1897	1897	1897	1832	1619	1619	1619	1619	1619	1619	1619	1619	1619	1 1 1 1 1 1	Length	
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US-09-699-997-11085	US-09-652-917-3346	US-09-652-128-9375	US-09-652-121-7293	US-09-808-383-4454	US-09-397-022-4454	PCT-US02-29964-16	US-10-212-677-214	US-09-970-966-214	US-09-825-294-214	PCT-US01-45395-214	US-10-108-260A-197	us-10-212-677-211	US-10-212-677-205	US-09-970-966-211	US-09-970-966-205	US-09-825-294-211	US-09-825-294-205	US-09-713-550-205	PCT-US01-45395-211	PCT-US01-45395-205		ID	
Sequence 11085, A		9375,	7293,	-	Sequence 4454, Ap	Sequence 16, Appl	Sequence 214, App	Sequence 214, App	Sequence 214, App	Sequence 214, App	197,	211,		211,	•	Sequence 211, App	•	,	Sequence 211, App	Sequence 205, App		Description	

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COMPUTER READABLE FORM:

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US-07-869-933-10
                 RESULT 44
                                                                                                                                                                                                ; TYPE: DNA
; ORGANISM: Glycine max
US-09-173-300-21
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                                                                                                                                     Matches
                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                    SEQ ID NO 21
LENGTH: 1162
                                                                                                                                                                                                                                                                      APPLICANT: Kinney, Anthony J.
APPLICANT: Cahoon, Rebecca E.
APPLICANT: Cahoon, Rebecca E.
APPLICANT: Rafalski, J. Antoni
TITLE OF INVENTION: PLANT BRANCHED CHAIN AMINO ACID BIOSYNTHETIC ENZYMES
CURRENT ENTLING NUMBER: US/09/173,300
CURRENT ETLING DATE: 1998-10-15
EARLIER APPLICATION NUMBER: 60/063,423
EARLIER FILING DATE: 1997 October 28
NUMBER OF SEQ ID NOS: 54
SOFTWARE: MICIOSOft Word Version 7.0A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 21, Application US/09173300 Patent No. 6451581
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Falco, Saverio C
APPLICANT: Hitz, William D.
                                                            1132 ТСТААЛААЛАЛАЛАЛАЛАЛАЛАЛА 1154
                                                                                           1597 ТСТААЛААЛААЛАЛАЛАЛАЛАЛ 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (206) 224-0779
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1597 ТСТАРАЛАРАЛАРАЛАРАЛАРА 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: cDNA to mRNA DESCRIPTION: clone 19; see Figure 26 HYPOTHETICAL: NO ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
NAME: Shelton, Dennis K,
REGISTRATION NUMBER: 26,997
REFERENCE/DOCKET NUMBER: FH
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 1008 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: FILING DATE: 01-JUN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION:
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                                                                                                                                    23;
                                                                                                                                Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (206) 682-8100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Saverio Carl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-JUN-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Floppy disk
                                                                                                         100.0%; Preu. ...
0; Mismatches
                                                                                                                                              1.4%; Score 23; DB 4; Length 1162; 100.0%; Pred. No. 0.61;
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                                                                                                                                             0.61;
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                                                                                                                           0;
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US-09-103-663-10
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                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Kinet et al.
TITLE OF INVENTION: Isolation, characterization, and use of the human beta
TITLE OF INVENTION: subunit of the high affinity receptor for
TITLE OF INVENTION: immunoglobulin E.
FILE REFERENCE: 50490
CURRENT APPLICATION NUMBER: US/09/103,663D
CURRENT FILING DATE: 1998-06-23
                                                    SOFTWARE: PatentIn Ver. 2.1 SEQ ID NO 10
                                                                                                                                                                                                                                                                                                   Sequence 10, Application US/09103663D Patent No. 6171803
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                       EARLIER APPLICATION NUMBER: 07/869,933
EARLIER FILING DATE: 1992-04-16
NUMBER OF SEQ ID NOS: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 10, Application US/07869933
Patent No. 5770396
GENERAL INFORMATION:
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEY: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 10:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 4038
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
                     TYPE: DNA
                                        ENGTH: 1174
                                                                                                                                                                                                                                                                                                                                                                                                         1150 ТGTAAAAAAAAAAAAAAAAAAA 1172
                                                                                                                                                                                                                                                                                                                                                                                                                                          1597 ТСТАААААААААААААААААА 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 1174 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE: 19920416
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local 5
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7TD: 22313-0299
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: NUCLEIC ACID STRANDEDNESS: double TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: PatentIn Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
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1800 Diagonal Road, Suite 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  linear
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VENTION: ISOLATION, CHARACTERIZATION, AND USE OF
VENTION: THE HUMAN B SUBUNIT OF THE HIGH AFFINITY RECEPTOR FOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          107..880
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.4%; Score 23;
100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IMMUNOGLOBULIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US/07/869,933
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 1; Length 1174;
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; DESCRIPTION: fe; HYPOTHETICAL: NO US-09-575-602-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 5, Application US/08032393 Patent No. 5332660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Osamu TAKEDA et al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: CG
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1597 TGTAAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "cDNA sequence for
DESCRIPTION: female-preferential transcript designated B20014-2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 772 base pairs
                                                                                                                                                                                                                                                COMPUTER: IBM Compatible OPERATING SYSTEM: MS-DOS SOFTWARE: DisplayWrite CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
NAME: Pace, Gary M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                  CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: Gene of Candida Yeast NUMBER OF SEQUENCES: 16
                TELECOMMUNICATION INFORMATION: TELEPHONE: 202-371-8850
                                                                                                          ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        747 TGTAAAAAAAAAAAAAAAAAAA 769
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Pace, Gary M
REGISTRATION NUMBER: 40,403
                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Washington STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER:
                                                                                                                                                                                                           APPLICATION NUMBER: US/08/032,393 FILING DATE:
                                                                     NAME: Warren M. Cheek, Jr. REGISTRATION NUMBER: 33,367
                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET:
                                                     REFERENCE/DOCKET NUMBER:
                                                                                                                                 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE:
              TELEPHONE:
                                                                                                                                               APPLICATION NUMBER: US/07/729,414
                                                                                                                                                                                                                                                                                                                                                                   20005
                                                                                                                                                                                                                                                                                                                                                                                                                                               E: Wenderoth, Lind & Ponack 805 Fifteenth Street, N.W., #700
202-371-8856
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                      U.S.A.
                                                                                                                                                                                                                                                                                                                              Diskette, 5.25 inch, 500 kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                single
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 Mismatches

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0.63;
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RESULT 42
US-08-252-966B-15
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                                                                                                                                                                                                           Sequence 15, Application US/08252966B Patent No. 5624818
                                                                                                                                                                                             Patent No. 5624818
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                                                                                               Best
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                 1597 TGTAAAAAAAAAAAAAAAAAAA 1619
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ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ANTI-SENSE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HYPOTHETICAL:
                                                       NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Christensen, O'Connor, Jo
STREET: 1420 Fifth Ave., Suite 2800
                                                                                                               APPLICANT: Hurlin, Peter J.
APPLICANT: Ayer, Donald E.
TITLE OF INVENTION: Regulatory Proteins that Dimerize with
TITLE OF INVENTION: Mad or Max
                                                                                                                                               APPLICANT: Eisenman, Robert N. APPLICANT: Hurlin, Peter J. APPLICANT: Ayer, Donald E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PUBLICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              POSITION IN GENOME:
                                                                                                                                                                                                                                                                                                  NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CHROMOSOME/SEGMENT: MAP POSITION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CELL TYPE:
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                                                                                                                                                                                                                                                                                                                                                             Local Similarity 100.0%; P
                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
PUBLICATION DATE:
RELEVANT RESIDUES IN SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ISSUE:
PAGES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IDENTIFICATION METHOD:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TISSUE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HAPLOTYPE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INDIVIDUAL ISOLATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Candida albicans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 933 base pairs
                                      STREET: 1420 F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AUTHORS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DOCUMENT NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VOLUME:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               JOURNAL:
            COUNTRY:
                           STATE: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    nucleic acid
98101-2347
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              USA
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100.0%; Pred. No. 0.
ive 0; Mismatches
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                                                                       Johnson, and KindnessPLLC
                                                                                                                                                                                                                                                                                                                                                                                              DB 1;
                                                                                                                                                                                                                                                                                                                                                                                0.62;
                                                                                                                                                                                                                                                                                                                                                                                              Length 933;
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US-09-385-982-262/c
                                                                                                                      RESULT 38
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; ORGANISM: Triticum aestivum
US-09-433-248A-7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-433-248A-7
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GENERAL INFORMATION:
APPLICANT: ENDEGE, WILSON O., ET AL.
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
                                                           Sequence 262, Application US/09385982 Patent No. 6262334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.0%; Pred. No. v...
Watches 23; Conservative 0; Mismatches
                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 7, Application US/09433248A Patent No. 6355462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/09/433,248A CURRENT FILING DATE: 1999-11-04 PRIOR APPLICATION NUMBER: 60/107,242 PRIOR FILING DATE: 1998-11-05 NUMBER OF SEQ ID NOS: 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Falco, S. Carl
APPLICANT: Famodu, Omolayo O.
APPLICANT: Han, Feng
APPLICANT: Rafalski, J. Antoni
TITLE OF INVENTION: Disease Resistance Factors
FILE REFERENCE: BB1252 US NA
                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Microsoft Office 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: 703-243-6410
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                       1597 ТСТАЛААЛАЛАЛАЛАЛАЛАЛ 1619
                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 588
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                                                                                                                                                                    REGISTRATION NUMBER: 33,302
REFERENCE/DOCKET NUMBER: SCH 1359
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-243-6333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 0: FILING DATE: 31-DEC-1991 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US 07/814,884
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 07/756,211
FILING DATE: 05-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: HAMLET-KING, DIANA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            508 TGTAAAAAAAAAAAAAAAAAA 530
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                                                                                                                                                                                                                                             Local Similarity 100.0%;
nes 23; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  530 base pairs
                                                                                                                                                                                                                                                                                  1.48;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.4%; Score 23; DB 1; 100.0%; Pred. No. 0.65;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <u>ب</u>
                                                                                                                                                                                                                                                             Score 23; DB 4; pred. No. 0.65;
                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                                                                                                                                              Length 588;
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                                                                                                                                                                                                                                        0;
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                                                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                                                                        0;
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RESULT 40
US-09-575-602-1
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5212073-1
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FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(593)
OTHER INFORMATION: n = A,T,C or G
US-09-385-982-262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5212073-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Patent No. 5212073
; APPLICANT: ROLLINS, I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; SEQ ID NO:1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EARLIER APPLICATION NUMBER: 09/328,111
EARLIER FILING DATE: 1999-06-08
EARLIER APPLICATION NUMBER: 60/117,393
EARLIER FILING DATE: 1999-01-27
EARLIER APPLICATION NUMBER: 60/098,639
EARLIER FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 544
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 262
LENGTH: 593
TYPE: DNA
                                                                                                                                                                                                                                                                                           Sequence 1, Application US/09575602 Patent No. 6392123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match

Best Local Similarity 100.0%; P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best
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                                                                                                                                                                                                                                                                                                                                                                                                                                 1597 ТСТАААЛАЛАЛАЛАЛАЛАЛАЛА 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: PRODUCTS: FILE REFERENCE: CCDNA-260XX
COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                   APPLICANT: Crossland, Lyle D
APPLICANT: Harper, Stacy M
TITLE OF INVENTION: Method of Hybrid Seed Production Using
TITLE OF INVENTION: Conditional Female Sterility
                                                                                                                                                                NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                               Local 5.
                                                                            STREET: P.O. Box 12257
CITY: Research Triangle Park
STATE: NCNY
                                        COUNTRY: UZIP: 22057
                                                                                                                              ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US
FILING DATE:12-MAY-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           75 TGTAAAAAAAAAAAAAAAAAAA 53
                                                                                                                                                 ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Similarity
                                                           USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                            Dept.
O. Box 12257
                                                                                                                                         No. 6392123artis Corporation - Patent & Trademark
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BARRETT; STILES, CHARLES; WONG, GORDON G. PROCESS FOR PRODUCING HUMAN JE CYTOKINE
                                                                                                                                                                                                 Conditional Female Sterility
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.4%; Score 23; DB 6; 100.0%; Pred. No. 0.63;
                                                                                                                                                                                  14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.4%; Score 23; DB 4; Length 593; 100.0%; Pred. No. 0.64; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 752;
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; ORGANISM: Plant
US-09-186-188B-29
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Best Local :
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SEQ ID NO 29
LENGTH: 502
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APPLICANT: Benifey et al.
TITLE OF INVENTION: Scarecrow Gene, Promoter and Uses
TITLE OF INVENTION: Thereof
FILE REFERENCE: 5914-074-999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 29, Application US/09186188B Patent No. 6455672
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PRIOR FILING DATE: 1996-04-26
NUMBER OF SEQ ID NOS: 79
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                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/462,894
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
        PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/206,185
FILING DATE: 07-MAR-1994
APPLICATION NUMBER: US 08/116,889
FILING DATE: 07-SEP-1993
                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: ALAGON, ALEJANDRO
APPLICANT: POSSANI, LOURIVAL
APPLICANT: CUEVAS-AGGIRRE, DELIA
TITLE OF INVENTION: COLLAGEN-INDUCED PLATELET AGGREGATION
TITLE OF INVENTION: INHIBITOR
NUMBER OF SEQUENCE: 36
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1597 TGTAAAAAAAAAAAAAAAAAAA 1619
PRIOR APPLICATION DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
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                                                                                                                                                                                                                                                                                                                                    STATE: VIRGINIA MILLEN, WHITE, ZELANO & BRANIGAN, P.C. STREET: 2200 CLARENDON BLVD., SUITE 1400
                                                                                                                                                                                                                                                                                                                       COUNTRY:
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5. 5723312
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23; Conserv
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KRAETZSCHMAR, JOERN
SCHLEUNING, WOLF-DIETER
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RESULT 36
US-08-206-185-5
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PAtentin Release #1.0, Version #1.25
SOFTWARE: PATENTIN DATA:
APPLICATION NUMBER: US/08/206,185
FILING DATE: 07-MAR-1994
CLASSIFICATION DATA:
APPLICATION UMBER: US 08/116,889
PRIOR APPLICATION UMBER: US 08/116,889
FILING DATE: 07-SEP-1993
PRIOR DATE: 07-SEP-1993
PRIOR APPLICATION NUMBER: WO PCT/EP92/02052
FILING DATE: 04-SEP-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 5, Application US/08206185 Patent No. 5756454
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Best Local Similarity 100.0%; Pred. No. v..
Matches 23; Conservative 0; Mismatches
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: CUEVAS-AGUIRRE, DELIA
TITLE OF INVENTION: COLLAGEN-INDUCED PLATELET AGGREGATION
TITLE OF INVENTION: INHIBITOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
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FILING DATE: 17-JUL-1992
PRIOR APPLICATION UNBER: US 07/814,884
FILING DATE: 31-DEC-1991
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: SCI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-243-6333
TELEFAX: 703-243-6410
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ATTORNEY/AGENT INFORMATION:
NAME: HAMLET-KING, DIANA
REGISTRATION NUMBER: 33,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
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CITY: ARLINGTON
STATE: VIRGINIA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HAENDLER, BERNHARD
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RESULT 30
US-09-352-616A-353/c
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; TYPE: DNA
; ORGANISM: Homo sapien
US-09-439-313-353
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US-09-372-422A-35
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SEQ ID NO 353
LENGTH: 436
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APPLICANT: Rudolf Jung
APPLICANT: Francols Barrieu
APPLICANT: Francols Barrieu
TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
FILE REFERENCE: 0919
CURRENT APPLICATION NUMBER: US/09/372,422A
CURRENT FILING DATE: 1999-08-11
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CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 353
                                                                            SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 35
LENGTH: 442
TYPE: DNA
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TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.427C8
FULR REFERENCE: 210121.427C8
CURRENT APPLICATION NUMBER: 05/09/352,616A
CURRENT FILING DATE: 1999-07-13
CURRENT FILING DATE: 1999-07-13
UNDBER OF SEQ ID NOS: 472
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                                                                                                                                                            NUMBER OF SEQ ID NOS: 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1597 TGTAAAAAAAAAAAAAAAAAAAA 1619
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                   NAME/KEY: CDS
                                      FEATURE:
                                                         ORGANISM: Zea mays
LOCATION: (2)...(257)
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mes 23; Conserv
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Jiang, Yugui
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100.0%; Pred. No. 0.66;
htive 0; Mismatches
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100.0%; Pred. No. 0.66;
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; TYPE: DNA
; ORGANISM: Plant
US-08-842-445-29
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US-08-842-445-29/c
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PRIOR FILING DATE: 1997-04-24
PRIOR PPLICATION NUMBER: 08/638,617
PRIOR FILING DATE: 1996-04-26
PRIOR SEQ ID NOS: 79
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 29
LENGTH: 502
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                                                                                                                           NUMBER OF SEQ ID NOS: 79
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 29
LENGTH: 502
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Best Local S
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                    Query Match
Best Local Similarity
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     Matches
                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/08/842,445A
CURRENT FILING DATE: 1997-04-24
EARLIER APPLICATION NUMBER: 08/638,617
EARLIER FILING DATE: 1996-04-26
                                                                                                                                                                                                                                                                          TITLE OF INVENTION: Scarecrow Gene, Promoter and Uses TITLE OF INVENTION: Thereof FILE REFERENCE: 5914-056-999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/186,276B CURRENT FILING DATE: 1998-11-05
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ORGANISM: Oryza sp.
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   23;
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Wysocka-Diller,
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     Conservative
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100.0%; Pred. No.
tive 0; Mismatcl
                    1.4%; Score 23; DB 4;
100.0%; Pred. No. 0.65;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Laura
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Joanna
0;
     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 4;
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                                   Length 502;
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       Gaps
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       0,
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1597 TGTAAAAAAAAAAAAAAAAAA 1619

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APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.427C8
CURRENT APPLICATION NUMBER: US/09/352,616A
CURRENT FILING DATE: 1999-07-13
NUMBER OF SEQ ID NOS: 472
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 357
LENGTH: 393
TYPE: DNA
ORGANISM: Homo Sapien
US-09-352-616A-357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 27
US-09-014-969-5
; TOPOLOGY: linear; MOLECULE TYPE: cDNA US-09-014-969-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 5, Approximately 10, 5965397
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Best Local Similarity 100.0%;
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APPLICANT:
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                                                                                                                                              TELEFAX: (617) 876-5851 INFORMATION FOR SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1597 TGTAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: Sprunger, Suzanne A.
REGISTRATION NUMBER: 41,323
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8284
                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk
COMPDTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Merberg, David
APPLICANT: Treacy, Maurice
APPLICANT: Spaulding, Vilki
APPLICANT: Spaulding, Vilki
APPLICANT: Agostino, Michael J.
TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
TITLE OF INVENTION: ENCODING THEM
NUMBER OF SEQUENCES: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 413 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 87 Cambridge
CITY: Cambridge
STATE: MA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 02140
                                                             TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                             CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                 FILING DATE:
                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/09/014,969
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Xu, Jiangchun
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Jiang, Yugui
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Dillon, Davin C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Harlocker, Susan Louise
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   E: Genetics Institute, Inc.
87 CambridgePark Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Jacobs, Kenneth
McCoy, John M.
LaVallie, Edward R.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.4%; Score 23;
100.0%; Pred. No.
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US-09-605-785-353/c
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                                                                                                                                                                                                                                                                                           US-09-439-313-353/c
                                                                                                                              APPLICANT: Xu, Jiangchun C.
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan Louis
APPLICANT: Jiang Yuqui
APPLICANT: Reed, Steven G.
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Best Local Similarity
Matches 23; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/605,785
CURRENT FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 835
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 353
LENGTH: 436
TYPE: DNA
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Patent No. 6321716
                                                                                                                                                                                                                                                       Sequence 353, Application US/09439313 Patent No. 6329505
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Best Local (
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER FILE REFERENCE: 210121.427C16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                   APPLICANT:
APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C9
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hes 23; Conserv
                                                                                                                                                                                                                                                                                                                                                             29 ТСТАААААААААААААААААА
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION:
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Skeiky, Yasir A.W.
Hepler, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Vedvick, Thomas
Carter, Darrick
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Retter, Marc W. Stolk, John A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Jiang, Yuqu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Harlocker, Susan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mitcham, Jennifer L.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Day, Craig H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Fanger, Gary R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kalos, Michael D.
                                                                                   Fanger, Gary
Retter, Mark
                                                                                                                       Kalos, Michael
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Li, Samuel
                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                           1.4%; Score 23; DB
100.0%; Pred. No. 0.1
7ative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.4%; Score 23; DB
100.0%; Pred. No. 0.
tive 0; Mismatches
                                                                                                                                                                       Susan Louise
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 4;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 436;
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Matches

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В
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US-09-605-785-357/c
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                                                                                                                                                              GENERAL INFORMATION:
                                                                                                                                                                            Sequence 357, Application US/09605785 Patent No. 6321716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 350 bass
                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                         APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennife
APPLICANT: Harlocker, Susar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 14, Application US/08361441B Patent No. 6077948 GENERAL INFORMATION:
                                            APPLICANT:
                                                           APPLICANT:
                                                                           APPLICANT:
          APPLICANT:
                            APPLICANT:
                                                                                                                                                                                                                                                                                               1597 TGTAAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/361,
FILING DATE: 21-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/171,385
FILING DATE: 21-DEC-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 21-DEC-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM: Windows 95
SOFTWARE: FastSEQ for Windows Version
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1597 ТСТАЛАЛАЛАЛАЛАЛАЛАЛАЛА 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: MEDIATORS OF CHRONIC ALLOGRAFT REJECTION NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Russell, Mary E. APPLICANT: Utans, Ulrike
                                                                                                                                                                                                                                                                             43 TGTAAAAAAAAAAAAAAAAAA 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Fraser, Janis K.
REGISTRATION NUMBER: 34
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX:
                                                                                                                                                                                                                                                                                                                                             Match 1.4%; Score 23; Local Similarity 100.0%; Pred. No. es 23; Conservative 0; Mismatc
                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OPERATING SYSTEM:
SOFTWARE: FastSEC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM Compatible
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Boston
                                                                                                       Mitcham, Jennifer L.
        Fanger, Gary R. Retter, Marc W.
                                      Henderson, Robert A. Kalos, Michael D.
                                                                        Jiang, Yuqui
                                                                                        Harlocker, Susan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             USA
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                                                                                                                                                                                                                                                                                                                                                  Mismatches
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                                                                                                                                                                                                                                                                                                                                              0;
                                                                                                                                                                                                                                                                                                                                                                                Length 350;
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                                                                                                                                                                                                                                                                                                                                              Indels
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RESULT 26
US-09-352-616A-357/C
; Sequence 357, Application US/09352616A
; Patent No. 6395278
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                                                                                                                                                                                                                                                        ; ORGANISM: Homo sapien US-09-439-313-357
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                                                                                                                                                                                                                                                                                      SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 357
LENGTH: 393
TYPE: DNA
                                                                                                                                                                                       Matches
                                                                                                                                                                                                   Query Match
Best Local Similarity
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CURRENT FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 835
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 357
LENGTH: 393
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APPLICANT:
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Best Local
                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/439,313
CURRENT FILING DATE: 1999-11-12
                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Fanger, Gary
APPLICANT: Retter, Mark
APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Xu, Jiangchun
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
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                                                                                                                                                  1597 TGTAAAAAAAAAAAAAAAAAAA 1619
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                                                                                                                  34 TGTAAAAAAAAAAAAAAAAAA 12
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Reed, Steven G.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mitcham, Jennifer L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Dillon, Davin C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Vedvick, Thomas S
Carter, Darrick
Li, Samuel
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Day, Craig H.
                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                       1999-11-12
                                                                                                                                                                                1.4%; Score 23;
100.0%; Pred. No.
tive 0; Mismatch
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0.67;
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0.67;
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Best Local 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 345 base pairs
TENGTH: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
TELEFAX: 612-332-9081
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 347 base pairs
TYPE: nucleic acid
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEPAX: 617/542-8906
TELEX: 200154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 3100 No. 5639948west Center
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APPLICANT: Komari, Tosihiko
TITLE OF INVENTION: Stamen-specific Promoters from Rice
NUMBER OF SEQUENCES: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Michiels, Frank APPLICANT: Morioka, Sinji
                                                                                                  REFERENCE/DOCKET NUMBER: 80
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612-332-5300
                                                                                                                                                       APPLICATION NUMBER: EP 9140031
FILING DATE: 08-FEB-1991
ATTORNEY_AGENT INFORMATION:
NAME: Kowalchyk, Katherine M.
REGISTRATION NUMBER: 36,848
REGISTRATION NUMBER: 36,848
                                                                                                                                                                                                                                                                APPLICATION NUMBER: EP 91402590.3 FILING DATE: 27-SEP-1991 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 91403352.7
FILING DATE: 10-DEC-1991
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO 9200272
FILING DATE: 06-FEB-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn Rel
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 3100
CITY: Minneapolis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/08/104,072B FILING DATE: 05-AUG-1993 CLASSIFICATION: 800
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US-08-171-385-14/c
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                                                       US-08-171-385-14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 14, Application US/08171385
Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Mary E. Russ
APPLICANT: Ulrike Utans
                                                                                                                                                         TELEFAX: (617) 542-890
TELEX: 200154
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                         ATTORNEY AGENT INFORMATION:

NAME: Fraser, Janis K.

REGISTRATION NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 0543
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Mediators of TITLE OF INVENTION: Rejection NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: cDNA to mRNA ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 02110-2804

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                    FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PS/2 Model 502 or 553X
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
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                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 350
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                                                                        TOPOLOGY: lir
                                                                                                           TYPE:
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                                                                                                     nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mary E. Russell
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100.0%;
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   Score 23;
Pred. No.
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0.67;
     DB 1;
0.67;
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                    Length 350;
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us-08-171-385-20/c
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US-08-361-441B-27/c
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                                                                                Sequence 20, Applicat. Patent No. 5527884 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                   Query Match
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TELEX: 200154
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 21-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/171
FILING DATE: 21-DEC-1993
ATTORNEY/AGENT INFORMATION:
NAME: Fraser, Janis K.
REGISTRATION NUMBER: 34,81
APPLICANT: Mary E. Russell
APPLICANT: Ulrike Utans
TITLE OF INVENTION: Mediators of Chronic Allograft
TITLE OF INVENTION: Rejection
NUMBER OF SEQUENCES: 32
                                                                                                                                                                                                                                  1597 ТСТААЛАЛАЛАЛАЛАЛАЛАЛА 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: 05.
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM: Windows 95
SOFTWARE: FastSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
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APPLICANT: Utans, Ulrike
TITLE OF INVENTION: MEDIATORS OF CHRONIC ALLOGRAFT REJECTION
NUMBER OF SEQUENCES: 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
                                                                                                                                                                                                   40 TGTAAAAAAAAAAAAAAAAA 18
                                                                                                                                                                                                                                                                                  Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Fish & Richardson P.C. STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 02110-2804
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                                                                                                                                                                                                                                                                      23;
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                                                                                                                                                                                                                                                                                    Similarity
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                                                                                                               Application US/08171385
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SYSTEM: Windows 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Diskette
                                                                                                                                                                                                                                                                                  1.4%; Score 23;
100.0%; Pred. No.
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100.0%; Pred. No. 0.68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 08/171,385
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0.68;
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                                                                                                                                                                                                                                                                                              Length 340;
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RESULT 20
US-08-361-441B-20/c
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Best Local Sin
Matches 23;
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 345
TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                            Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 20, Application US/08361441B Patent No. 6077948
                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: RUSSELL, Mary E.
APPLICANT: Utans, Ulrike
TITLE OF INVENTION: MEDIATORS OF CHRONIC ALLOGRAFT REJECTION
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
                                                                                                                                                                               ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
APPLICATION NUMBER: US/08/361,441B
FILING DATE: 21-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/171,385
FILING DATE: 21-DEC-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                       COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: FastSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 50Z or 55SX
COMPUTER: MS-DOS (Version 5.6

""" SYSTEM: MS-DOS (Version 5.1)
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TELEFAX: (617) 542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OPERATING SYSTEM: MS-DOS (Version 5 SOFTWARE: WordPerfect (Version 5.1) CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/171,385
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ADDRESSEE: Fish & Richardson
                                                                                                                                                                                                                                                                         STREET: 225 | CITY: Boston
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CITY: Boston
STATE: Massac
                                                                                                                                                                                                                        COUNTRY: USA
ZIP: 02110-2804
                                                                                                                                                                                                                                                              STATE:
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REGISTRATION NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 05
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100.0%; Pred. No.
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0.67;
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US-08-171-385-22
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US-08-361-441B-22/c
US-08-361-441B-22/c
Sequence 22, Application US/08361441B
Patent No. 6077948
GENERAL INFORMATION:
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 054
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELERAX: (617) 542-8906
TELEX: 200154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 50Z or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Mary E. Russell APPLICANT: Ulrike Utans
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APPLICATION NUMBER:
               COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: FRESESQ for Windows Version 2.0b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
CURRENT APPLICATION DATA:
                                                                                                                                                                                                TITLE OF INVENTION: MEDIATORS OF CHRONIC ALLOGRAFT REJECTION NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
                                                                                                                                                                                                                                                                      APPLICANT: Russell, Mary E. APPLICANT: Utans, Ulrike
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TELEFAX: 200154
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100.0%; Pred. No. 0.68;
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US-08-361-441B-22
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US-08-171-385-27/c
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
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Best Local Similarity
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INFORMATION FOR SEQ ID NO:
                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: Fraser, Janis K.
NAME: Fraser, Janis K.
REGISTRATION NUMBER: 0543
TELECOMMUNICATION INFORMATION:
TELEPIONE: (617) 542-5070
TELEFAX: (617) 542-8906
                                                                                          INFORMATION FOR SEQ ID NO:
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LENGTH: 321 base pairs
TYPE: nucleic acid
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FILING DATE: 21-DEC-1993
ATTORNEY/AGENT INFORMATION:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 50Z or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Mary E. Russell APPLICANT: Ulrike Utans TITLE OF INVENTION: Mediators TITLE OF INVENTION: Rejection
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                                                                      SEQUENCE CHARACTERISTICS:
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TOPOLOGY: li
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STATE: Massa
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                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 514
                                                                                                              TELEFAX: (617)
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                 STRANDEDNESS:
TOPOLOGY: linear
                                                     CENGTH:
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                                     nucleic acid
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100.0%; Pred. No. 0.68;
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; NAME/KEY: misc_feature
; LOCATION: (1)...(176373)
; OTHER INFORMATION: n = A,T,C or G
US-09-128-155-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 12
US-09-128-155-17/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-785-310A-4
                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Pan, Yang
TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 09404/052001
CURRENT APPLICATION NUMBER: US/09/128,155
CURRENT APPLICATION NUMBER: US 60/091,650
EARLIER APPLICATION NUMBER: US 60/091,650
EARLIER APPLICATION NUMBER: US 60/094,646
EARLIER FILING DATE: 1998-07-02
EARLIER FILING DATE: 1998-08-04
EARLIER FILING DATE: 1998-08-04
ROLER FILING DATE: 1998-08-04
ROLER FILING DATE: 1998-08-04
ROLER FILING DATE: 1997-08-04
                             Query Match
Best Local (
               Matches
                                                                                                                                                                                                                                                                          SEQ ID NO 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17, Application US/09128155 Patent No. 6117654
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.
Matches 24; Conservative
                                                                                                                                                                                                                                                                                   SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: (415) 343-4341
TELEFAX: (415) 343-4342
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 4184 base pairs
                                                                                                                                                                                  ORGANISM: Homo sapiens FEATURE:
                                                                                                                                                                                                                             TYPE: DNA
                                                                                                                                                                                                                                                  LENGTH: 176373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1596 GTGTAAAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4138 GTGTAAAAAAAAAAAAAAAAAAA 4161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/785,310A
FILLING DATE: 21-JAN-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: UT
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
STREET: 268 BUSH STREET, SUITE 3200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Neuronal PAS Domain Protein NUMBER OF SEQUENCES: 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: doub
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION: 536
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
    similarity 100.0%; p
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                        1.5%; Score 24; DB 3; 100.0%; Pred. No. 0.15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  UTSD: 1226
      Mismatches
  0,
                                          Length 176373;
  Indels
  0,
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  Gaps
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; OTHER INFORMATION: Description of Artificial Sequence: PrimerRGP; OTHER INFORMATION: RR713
US-09-306-290-16
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                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: ROVERA, GIOVANNI
APPLICANT: MUKHOPACHYAY, SUNII
TITLE OF INVENTION: METHODS FOR SOLID-PHASE AMPLIFICATION OF DNA TEMPLATE
TITLE OF INVENTION: (SPADT) USING MULTIARRAYS
FILE REFERENCE: 09924-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-306-290-11/c
                                                                                                                                                                                                                                                                       SOFTWARE: PatentIn Ver. 2.0 SEQ ID NO 16
                                                                        Matches
                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: ROVERA, GIOVANNI
APPLICANT: MUKHOPAGHYAY, SUNII
TITLE OF INVENTION: METHODS FOR SOLID-PHASE AMPLIFICATION OF DNA TEMPLATE
TITLE OF INVENTION: (SPADT) USING MULTIARRAYS
FILE REFERENCE: 09924-10
CURRENT APPLICATION NUMBER: US/09/306,290
CURRENT FILING DATE: 1999-05-06
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 11
                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 16, Application US/09306290 Patent No. 6221635
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
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                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/306,290
CURRENT FILING DATE: 1999-05-06
                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 43
                                                                                                                                                                                                         LENGTH: 40
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                       FEATURE:
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                              1597 ТСТАЛАЛАЛАЛАЛАЛАЛАЛАЛА 1619
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Artificial Sequence
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23 TGTAAAAAAAAAAAAAAAAAA 1
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                                                                        23;
                                                                     Conservative
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                                                           1.4.
100.0%; Fi
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100.0%; Pred. No.
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                                                                   Mismatches
                                                                                                     DB 4;
                                                                                      0.81;
                                                                   0
                                                                                                     Length 40,
                                                                 Indels
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                                                                 Gaps
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RESULT 15 US-08-171-385-22/c

; Sequence

22, Application US/08171385

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NAME/KEY: CDS;
LOCATION: 3...
US-08-206-188B-31
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 30, Application PC/TUS9102714 GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO:
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APPLICATION NUMBER: US 07/511,715
FILING DATE: 20-APR-1990
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312-474-0448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1596 GTGTAAAAAAAAAAAAAAAAA 1619
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LENGTH: 3073 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Wigler, Michael H.
APPLICANT: Collcelli, John J.
TITLE OF INVENTION: Cloning by Complementation and Related
TITLE OF INVENTION: Processes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                   ZIP: 60603
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
                FILING DATE: 20-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: Borun, Michael F.
REGISTRATION NUMBER: 25447
                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/511,715
FILING DATE: 20-APR-1990
                                                                                                                                                                                             CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/206,188B FILING DATE: 01-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE:
COMPUTER: I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Clough, David W. REGISTRATION NUMBER: 36107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
                                                                                                                                                                                                           COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                    STREET: Two First National Plaza, 20 South Clark STREET: Street
                                                                                                                                                     APPLICATION NUMBER: PC FILING DATE: 19910419
                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                     STATE:
                                                                                                                                                                                                                                                                                                                                                                     CITY: Chicago
                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
                                                                                                                                   CLASSIFICATION:
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24;
                                                                                                                                                                                                                                                                                                                                                  Illinois
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                                                                                                                                                                                                                                                                                                                                  USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
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  27805/30197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0;
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RESULT 10
US-09-511-625B-67
Sequence 67, Application US/09511625B
Patent No. 6368828
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT FILING DATE: 2000-02-23

PRIOR APPLICATION NUMBER: US/09/511,625B

CURRENT FILING DATE: 2000-02-23

PRIOR FILING DATE: 1998-08-27

PRIOR APPLICATION NUMBER: 60/070,397

PRIOR APPLICATION NUMBER: 60/070,397

PRIOR FILING DATE: 1998-01-05

PRIOR APPLICATION NUMBER: 60/056,075

PRIOR FILING DATE: 1997-08-27

NUMBER OF SEQ ID NOS: 70
RESULT 11
US-08-785-310A-4
                                                                                                                                                                                                                                         ; NAME/KEY: CDS
; LOCATION: (115)...(2655)
US-09-511-625B-67
                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: Fast
SEQ ID NO 67
LENGTH: 3375
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
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TELEPHONE: (312) 346-5750
TELEFAX: (312) 984-9740
TELEY 25-8856
INFORMATION FOR SEQ ID NO: 30:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best
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APPLICANT:
                                                                                                                                                             Matches 24; Conservative
                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Pierce, Jacalyn H.
TITLE OF INVENTION: ATTENUATED AND DOMINANT NEGATIVEVARIANT
TITLE OF INVENTION: CDNAS OF STAT6: STAT6b AND STAT6c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILE REFERENCE:
                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Description of artificial Sequence:/No. 6368828e - OTHER INFORMATION: synthetic construct
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1520 GTGTAAAAAAAAAAAAAAAAAA 1543
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LENGTH: 3073 base pairs
                                                                                                                                                                                                                                                                                                                                             FEATURE:
                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
                                                                                                                       1596 GTGTAAAAAAAAAAAAAAAAAA 1619
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                                                                              3321 GTGTAAAAAAAAAAAAAAAAAAAA 3344
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LOCATION:
                                                                                                                                                           / Match 1.5%; Score 24; DB 4; Length 3375; Local Similarity 100.0%; Pred. No. 0.21; nes 24; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                             FastSEQ for Windows Version 4.0
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100.0%; Pred. No.
ative 0; Mismatc
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Sequence 4, Application US/08785310A Patent No. 5840532

GENERAL INFORMATION:

APPLICANT:

McKnight, Steven Russell, David W.

Matches

Best Local Similarity

100.0%;

Pred. No. 0.21;

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RESULT 7
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US-09-146-249A-31
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US-08-474-379C-31
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                                                                                                                           Matches
                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                           TELEFAX: (312) 474-044
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Patent No. 5977305
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 31,
                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US 08/
FILING DATE: 01-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/
FILING DATE: 19-APR-1991
ATTORNEY/AGENT INFORMATION:
                                                       1520 GTGTAAAAAAAAAAAAAAAAAA 1543
                                                                                   1596 СТСТААЛААААААААААААААА 1619
                                                                                                                                                                                                                                                                                                                                                                   NAME: Clough, David W.
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 27/
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
                                                                                                                                                                                                                                      FEATURE:
                                                                                                                                                                                                                                                 MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US 07 APR-1990 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Wigler, Michael H.
APPLICANT: Colicelli, John J.
TITLE OF INVENTION: CLONING BY COMPLEMENTATION AND RELATED
TITLE OF INVENTION: PROCESSES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1520 GTGTAAAAAAAAAAAAAAAAAA 1543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                           LENGTH:
                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: sing
TOPOLOGY: linear
                                                                                                                                                                                                                     NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: FILING DATE: 07-JUN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Chicago
STATE: Illino
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET:
                                                                                                                                        OCAL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE:
                                                                                                                           24;
                                                                                                                                      Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       60606-6402
                                                                                                                                                                                                                                                                                                         3073 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Application US/08474379C
                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                         (312) 474-0448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        E: Marshall, O'Toole, Gerstein, Murray & Borun
233 South Wacker Drive/6300 Sears Tower
                                                                                                                                                                                                   3..1109
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                                                                                                                    100.0%; P<sub>J</sub>
ative 0;
                                                                                                                                                     1.58;
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                                                                                                                                   Score 24; DB 2; Pred. No. 0.21;
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                                                                                                                    Mismatches
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                                                                                                                                                Length 3073;
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US-08-206-188B-31
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                                                                                                                                                                                                                               Sequence 31, Application US/08206188B Patent No. 6100025 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 312-474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                               NUMBER OF SEQUENCES: 84
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole,
                                                                                                                                                     APPLICANT: Wigler, Michael H.
APPLICANT: Colicelli, John J.
TITLE OF INVENTION: Cloning by Complementation and Related
TITLE OF INVENTION: Processes
COMPUTER READABLE FORM
                                                                                                                                                                                                                                                                                                                                                                                      1596 СТСТААААААААААААААААААА 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Clough, David W.
REGISTRATION NUMBER: 36,107
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312,474-6300
TELEFAX: 312-474-0448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 3073 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Wigler, Michael H.
APPLICANT: Colloelli, John J.
TITLE OF INVENTION: Cloning by Complementation and Related
TITLE OF INVENTION: Processes
                                                                    STREET: 6300 s
CITY: Chicago
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
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                                   COUNTRY:
                                                         STATE:
                                                                                                                                                                                                                                                                                                                                                                                                            Match
Local Similarity 100.0%; Pred. No. v..

Anservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: lir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Chicago
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE:
                  60606-6402
                                                   Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              60606-6402
                                                                                   6300 Sears Tower,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Illinois
                                 United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  E: Marshall, O'Toole, Gerstein, Murray & Borun 6300 Sears Tower, 233 South Wacker Drive
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                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 24; DB 3;
Pred. No. 0.21;
                                                                                      233
                                                                                   Gerstein, Murray & Borun
South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                       0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 3073;
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US-09-068-140A-5
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                                                                                                                                  ; NAME/KEY: CDS
; LOCATION: (58)...(1272)
US-09-413-574-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-413-574-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1, Application US/09413574
Patent No. 6235972
                                                                               Query Match 1.5%;
Best Local Similarity 100.0%;
                                                                                                                                                                               LENGTH: 1522
TYPE: DNA
ORGANISM: Zea mays
FEATURE:
                                                                                                                                                                                                                                                     SEQ ID NO 1
                                                                 Matches
                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/413,574
CURRENT FILING DATE: 1999-10-06
EARLIER APPLICATION NUMBER: 60/109,728
EARLIER FILING DATE: 1998-11-23
                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Mahajan, Pramod B.
APPLICANT: Tagilani, Laura
TITLE OF INVENTION: Maize Rad23 Genes and Uses Thereof
FILE REFERENCE: 0964
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 1046 base pairs
                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 5
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1596 GTGTAAAAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Dinner, Dara L.
REGISTRATION NUMBER: 33,680
REFERENCE/DOCKET NUMBER: C70
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5017
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1015 GTGTAAAAAAAAAAAAAAAAAA 1038
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: No. 6281409ember 4, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Dinner, Dara L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO) CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/068,140A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
APPLICATION NUMBER:
1456 GTGTAAAAAAAAAAAAAAAAAAAA 1479
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ANTI-SENSE:
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                               1596 GTGTAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: NIVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE: 010-270-5090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS:
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                                                                 Conservative
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                                                                                    1.5%; Score 24; DB 4; 100.0%; Pred. No. 0.22;
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                                                                   Mismatches
                                                                                                  DB 4;
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RESULT 4

Query Match

1.5%;

Score 24;

DB 1;

Length 3073;

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5168051-9; Patent No. 5168051
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US-07-688-352C-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5168051-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; FILING DATE: 04-AUG-1989; SEQ ID NO:9:
US-07-688-352C-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 31, Application US/07688352C Patent No. 5527896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
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                                                                                                                                        INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 3073 base pair
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: DERYNCK, RIK M.A.; GOEDDEL, DAVID V.
TITLE OF INVENTION: NUCLEIC ACID ENCODING TGF-B ITS USES
NUMBER OF SEQUENCES: 21
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/389,929
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1596 GTGTAAAAAAAAAAAAAAAAAAA 1619
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                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 07/511,715
FILING DATE: 20-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: BOTUN, Michael F.
REGISTRATION NUMBER: 25447
REFERENCE/DOCKET NUMBER: 27805/30
                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: PatentIn Release #1.0, V.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/688,352C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: Cloning by TITLE OF INVENTION: Processes NUMBER OF SEQUENCES: 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Wigler, Michael H. APPLICANT: Colicelli, John J.
                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 346-5750
                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
                                                   FEATURE:
                                                                     MOLECULE TYPE: CDNA
                                                                                                                                                                                TELEFAX: 1-
TELEFAX: 25-3856
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 2671
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Local Similarity 100.0%;
                                                                                                                                                                                                 TELEPHONE: (312) 984-9740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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STATE: Illinois
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FILING DATE: 1998-06-19 APPLICATION NUMBER: 60/089907 FILING DATE: 1998-06-18 APPLICATION NUMBER: 60/089908 FILING DATE: 1998-06-18 APPLICATION NUMBER: 60/089947 NUMBER: 60: 1998-07-0 1998-07-07 60/091982 60/091978 60/091626 60/092182 60/091633

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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C8
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OR FILING DATE: 1998-03-20
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Kljavin, Ivar J.
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Gerritsen, Mary E
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Roy, Margaret Ann
Stewart, Timothy A.
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DR FILING DATE: 1998-06-04
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                 APPLICATION NUMBER: 60/089653 FILING DATE: 1998-06-17 APPLICATION NUMBER: 60/089801
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OR FILING DATE: 1998-06-23
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60/089440 60/089105 60/088876 60/088861 60/088858

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PRIOR APPLICATION NUMBER: 60/065186
PRIOR APPLICATION NUMBER: 60/065116
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
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PRIOR APPLICATION NUMBER: 60/066770
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                                                                                                                                                                                                                                                                               APPLICANT: Zhang, Zemin TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2730P1C15
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PRIOR FILING DATE: 1998-07-02
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Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A.
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APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Botstein, David
APPLICANT: Beaton, Dan L.
APPLICANT: Eaton, Dan L.
                  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE OF INVENTION ACIDS Encoding the Same FILE OF P2730P1C57 CURRENT APPLICATION NUMBER: US/09/989,732 CURRENT FILING DATE: 2001-11-19 PRIOR APPLICATION NUMBER: 60/049787 PRIOR FILING DATE: 1997-06-16 PRIOR APPLICATION NUMBER: 60/062250 PRIOR PELICATION NUMBER: 60/062250 PRIOR PILING DATE: 1997-10-17 PRIOR PILING DATE: 1997-10-17 PRIOR PILING DATE: 1997-11-12 PRIOR EILING DATE: 1997-11-12 PRIOR ENCORPER ENCORPER
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OR FILING DATE: 1998-07-02
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APPLICATION NUMBER: 60/065311
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Williams, P. Mickey
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Stewart, Timothy A.
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PRIOR APPLICATION NUMBER: 60/066770
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PRIOR APPLICATION NUMBER: 60/084600
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PRIOR FILING DATE: 1998-06-05
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                                                                            FILING DATE: 1998-06-16
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RESULT 42
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; Patent No.
; GENERAL INF
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730p1C70
CURRENT APPLICATION NUMBER: US/09/989,731
CURRENT FILING DATE: 2001-11-20
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DR APPLICATION NUMBER: 60/091626

DR FILING DATE: 1998-07-02

DR APPLICATION NUMBER: 60/091633

DR FILING DATE: 1998-07-07

DR APPLICATION NUMBER: 60/091978

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APPLICATION NUMBER: 60/091982
FILING DATE: 1998-07-07
APPLICATION NUMBER: 60/092182
FILING DATE: 1998-07-09
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FILING DATE: 1998-07-02
APPLICATION NUMBER: 60/091544
FILING DATE: 1998-07-01
APPLICATION NUMBER: 60/091519
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FILING DATE: 1998-06-26
APPLICATION NUMBER: 60/
FILING DATE: 1998-07-01
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FILING DATE: 1998-06-25
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APPLICATION NUMBER:
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24; Conservative 0;
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Stewart, Timothy A.
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Kljavin, Ivar J
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Grimaldi, J. Christopher
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Botstein, David
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DR FILING DATE: 1998-06RR APPLICATION NUMBER: 6
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OR FILING DATE: 1998-06-18
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OR APPLICATION NUMBER: 60/089947
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OR APPLICATION NUMBER: 60/089952
OR FILING DATE: 1998-06-19
OR APPLICATION NUMBER: 60/09024
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OR APPLICATION NUMBER: 60/090252
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OR FILING DATE: 1998-06-24

OR APPLICATION NUMBER: 60/090557

OR FILING DATE: 1998-06-24

OR APPLICATION NUMBER: 60/090676

OR FILING DATE: 1998-06-25

OR APPLICATION NUMBER: 60/090678

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OR FILING DATE: 1998-06-25
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OR APPLICATION NUMBER: 60/090695
OR FILING DATE: 1998-06-26
OR FILING DATE: 1998-06-26
OR APPLICATION NUMBER: 60/090863
OR APPLICATION NUMBER: 60/091360
OR APPLICATION NUMBER: 60/091478
OR APPLICATION NUMBER: 60/091478
OR FILING DATE: 1998-07-02
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FILING DATE: 1998-06-25
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FILING DATE: 1998-07-02
APPLICATION NUMBER: 60/091633
FILING DATE: 1998-07-02
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US20020072497A1
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Gurney, Austin L.
Kljavin, Ivar J.
Napier, Mary A.
Pan, James
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                             Paoni, Nicholas F.
Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
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Gerber, Hanspeter
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Eaton, Dan L.
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 Watanabe,
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1998-07-07
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Colin K.
P. Mickey
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APPLICANT: Wood, William ...
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides
TITLE OF INVENTION: Acids Encoding the Same
FTI.E REFERENCE: P2730P1C65
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PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
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OR FILING DATE: 1998-06-04
OR APPLICATION NUMBER: 60/088033
OR FILING DATE: 1998-06-04
OR APPLICATION NUMBER: 60/088326
OR FILING DATE: 1998-06-04
OR APPLICATION NUMBER: 60/088167
OR FILING DATE: 1998-06-05
OR APPLICATION NUMBER: 60/088202
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DR FILING DATE: 1998-06-03
DR APPLICATION NUMBER: 60/088021
DR FILING DATE: 1998-06-04
DR APPLICATION NUMBER: 60/088025
DR FILING DATE: 1998-06-04
DR APPLICATION NUMBER: 60/088026
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APPLICATION NUMBER: 60/065311
FILING DATE: 1997-11-13
APPLICATION NUMBER: 60/066770
FILING DATE: 1997-11-24
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FILING DATE: 1998-02-25
APPLICATION NUMBER: 60/078910
FILING DATE: 1998-03-20
APPLICATION NUMBER: 60/083322
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FILING DATE: 1998-06-02
APPLICATION NUMBER: 60/0
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FILING DATE: 1998-05-28
APPLICATION NUMBER: 60/087607
FILING DATE: 1998-06-02
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FILING DATE: 1998-06-05
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PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
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TITLE OF INVENTION:
TITLE OF INVENTION:
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Paoni, Nicholas F.
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Baker, Kevin P.
Botstein, David
             Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Kljavin, Ivar J.
Napier, Mary A.
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b; Pred. No. 0.6
0; Mismatches
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RESULT 39
US-09-989-723-286
                                      APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleon
                                                                                                                                                         Sequence 286, Application US/09989723
Patent No. US20020072092A1
                                                                                                                                             GENERAL INFORMATION:
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Best Local
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OR FILING DATE: 1998-06-25
OR APPLICATION NUMBER: 60/090695
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OR APPLICATION NUMBER: 60/090696
OR FILING DATE: 1998-06-25
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FILING DATE: 1998-07-07
APPLICATION NUMBER: 60/092182
FILING DATE: 1998-07-09
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FILING DATE: 1998-07-02
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FILING DATE: 1998-07-01
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FILING DATE: 1998-06-25
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FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090444
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                                      Desnoyers, Luc
Eaton, Dan L.
Ferrara, Napoleone
          Gerber, Hanspeter
                        Fong, Sherman
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CURRENT APPLICATION NUMBER: US/09/989,723
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
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R FILING DATE: 1998-06-04
OR APPLICATION NUMBER: 60/06
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FILING DATE: 1998-04-28
APPLICATION NUMBER: 60/084600
FILING DATE: 1998-05-07
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Roy, Margaret Ann
Stewart, Timothy
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PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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PRIOR FILING DATE: 1997-06-16
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PRIOR APPLICATION NUMBER: 60/084600
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Botstein, David
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Gurney, Austin L.
Kljavin, Ivar J.
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PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
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PRIOR FILING DATE: 1998-06-18
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OR APPLICATION NUMBER: 60/088861
OR FILING DATE: 1998-06-11
OR APPLICATION NUMBER: 60/088876
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FILING DATE: 1998-06-17 APPLICATION NUMBER: 60/089440 FILING DATE: 1998-06-16 APPLICATION NUMBER: 60/089512 FILING DATE: 1998-06-16 APPLICATION NUMBER: 60/088858 FILING DATE: APPLICATION NUMBER: 60/088742 FILING DATE: 1998-06-17 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-17 APPLICATION NUMBER: 60/089538 FILING DATE: 1998-06-17 APPLICATION NUMBER: 60/089598 FILING DATE: 1998-06-10 APPLICATION NUMBER: 60/089653 FILING DATE: 1998-06-17 APPLICATION NUMBER: FILING DATE: 1998-06-APPLICATION NUMBER: FILING DATE: 1998-06-22 APPLICATION NUMBER: FILING DATE: 1998-06-19 1998-06-10 1998-06-17 1998-06-22 60/088734 665680709 60/089514 60/089600 60/089532 60/089948 60/090252 60/090431 60/090429 60/090355 60/090349 60/090254

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APPLICATION NUMBER: 60/088167
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NUMBER: 60/090349
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PRIOR FILING DATE: 1998-06-25
PRIOR PRIOR FILING DATE: 1998-06-26
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PRIOR APPLICATION NUMBER: 60/090863
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PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
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PRIOR APPLICATION NUMBER: 60/091978
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PRIOR APPLICATION NUMBER: 60/
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OR APPLICATION NUMBER: 60/090542
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OR APPLICATION NUMBER: 60/090557
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OR APPLICATION NUMBER: 60/090676
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JR FILING DATE: 1998-06-24
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FILING DATE: 1998-06-25
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FILING DATE: 1998-06-24
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FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090431
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APPLICATION NUMBER: 60/
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100.0%; Pred. No.
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                                                                                            Mismatches
                                                                                                                  DB 9;
0.67;
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RESULT 38
US-09-989-722-286
Sequence 286, Application US/09989722
Patent No. US20020072067A1
GENERAL INFORMATION:

Gaps

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APPLICANT: Ashkenazi, Avi J.

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US-09-764-870-15
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Patent No. US20020042386A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PTZ14
FILE REFERENCE: PTZ14
                                                                                                                                 ; NAME/KEY: CDS
; LOCATION: (394)...(1056)
US-09-410-194-14
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SEQ ID NO 15
LENGTH: 1066
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/764,870 CURRENT FILING DATE: 2001-01-17
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                                                                                                                                                                                                                                                       SEQ ID NO 14
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APPLICANT: Thome, Margo
APPLICANT: Burns, Kimbe
                                                                    Matches
                                                                                                Query Match
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CURRENT FILING DATE: 1999-09-30
PRIOR APPLICATION NUMBER: PCT/EP98/01857
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
PRIOR FILING DATE: 1997-04-01
                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: French, E. Lars
TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
FILE REFERENCE: 11141-002001
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                                                                                                                                                                                                                       TYPE: DNA
ENGTH:
                                                                                Match 1.5%; Score 24; DB 10; Length 1190; Local Similarity 100.0%; Pred. No. 0.68;
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Rimoldi, Donata
Hofmann, Kay
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Bodmer, Jean-Luc
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Hahne, Michael
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Thome, Margot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Schroter, Michael
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.5%; Score 24; DB 10; ilarity 100.0%; Pred. No. 0.68; Conservative 0; Mismatches 0
                                                                    Conservative
                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1066;
                                                                           Indels
                                                                           0;
                                                                               Gaps
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RESULT 37
US-09-992-598-286
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C20
CURRENT APPLICATION NUMBER: US/09/992,598
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/09787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/065186
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR FILING DATE: 1997-11-12
PRIOR FILING DATE: 1997-11-12
PRIOR FILING DATE: 1997-11-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
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PRIOR FILING DATE: 1997-11-13
PRIOR PPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR FILING DATE: 1998-02-25
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PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
                                       PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR FILING DATE: 1998-06-04
                                                                                                                                                                                                                                                                                                                                                                         PRIOR FILING DATE: 1998-05-28 PRIOR APPLICATION NUMBER: 60/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: 60/083322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR FILING DATE:
                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/
                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: 60/
PRIOR FILING DATE: 1998-06-02
                                                                                                                                                                                                                                                                                                                                                      PRIOR FILING DATE: 1998-06-02
                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/087106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: 60/078910
                                                                                                                                                                           PRIOR APPLICATION NUMBER: 60/088021 PRIOR FILING DATE: 1998-06-04
                                                                                                                                                                                                                          PRIOR FILING DATE: 1998-06-03
PRIOR FILING DATE: 1998-06-04
                         APPLICATION NUMBER: 60/088029
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Baker,Kevin P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gurney,Austin L.
Kljavin,Ivar J.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Watanabe, Colin K. Williams, P. Mickey Wood, William I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Grimaldi, J.Christopher
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tumas, Daniel
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art, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1998-03-20
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RESULT 33
US-09-925-300-384
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Sequence 384, Application US/09925300
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                                                                                                                                                                   Best Local Similarity 100.0%; Matches 24; Conservative (
                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                              SOFTWARE: MI
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PRIOR APPLICATION NUMBER: 60/133428
PRIOR FILING DATE: 1999-05-11
PRIOR APPLICATION NUMBER: 60/133438
PRIOR FILING DATE: 1999-05-11
PRIOR APPLICATION NUMBER: 60/133436
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                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Thorpe, Catherine
APPLICANT: Weng, Zude
ITITLE OF INVENTION: Stress Response
TITLE OF INVENTION: Stress Response
FILE REFERENCE: BB1357 US NA
CURRENT APPLICATION NUMBER: US/10/078,929
CURRENT FILING DATE: 2002-02-19
CURRENT FILING DATE: 2002-02-19
CURRENT FILING DATE: 2002-02-19
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                                                                                                                         1596 СТСТААЛАЛАЛАЛАЛАЛАЛАЛА 1619
                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: 60/137667 PRIOR FILING DATE: 1999-06-04
                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR FILING DATE: 1999-05-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: 09/566,394
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: 60/133038
PRIOR FILING DATE: 1999-05-07
PRIOR APPLICATION NUMBER: 60/133042
PRIOR FILING DATE: 1999-05-07
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: 60/133427
PRIOR FILING DATE: 1999-05-11
PRIOR APPLICATION NUMBER: 60/133437
PRIOR FILING DATE: 1999-05-11
                                                                                                                                                                                                                                                                                                 ENGTH: 939
                                                                                       886 GTGTAAAAAAAAAAAAAAAAAA 909
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: n equals a,t,g,
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                                                                                                                                                                                                                                                                                                                                 Microsoft Office 97
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Thorpe, Catherine
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Sakai, Hajime
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Preu. ...
---ive 0; Mismatches
                                                                                                                                                                         1.5%; Score 24; DB 12; Length 939; 100.0%; Pred. No. 0.68;
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100.0%; Pred. No.
                                                                                                                                                                 0,
                                                                                                                                                                Mismatches
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FITLE OF INVENTION.

FILE REFERENCE: C70237D1

CURRENT APPLICATION NUMBER: US/09/800,528

CURRENT FILING DATE: 2001-03-07

PRIOR APPLICATION NUMBER: 09/068,140

PRIOR FILING DATE: 1996-11-02

PRIOR APPLICATION NUMBER: PCT/EP/9604807

PRIOR FILING DATE: 1996-11-04

PRIOR APPLICATION NUMBER: GB9522558.7

PRIOR APPLICATION NUMBER: GB9522558.7

PRIOR FILING DATE: 1995-11-03
                                                                                                                                                                       ; LENGTH: 1046
; TYPE: DNA
; ORGANISM: Ribes nigrum
US-09-800-528-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-800-528-5
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                                                                                                                                Query Match
                                                                                                                                                                                                                                                            SEQ ID NO 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:

NAME/KEY: misc feature

LOCATION: (1014)

OTHER INFORMATION: n equals a,t,g, or c

NAME/KEY: misc feature

LOCATION: (1015)

OTHER INFORMATION: n equals a,t,g, or c

LOCATION: (1026)

OTHER INFORMATION: n equals a,t,g, or c

OTHER INFORMATION: n equals a,t,g, or c
                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 5, Application US/09800528 Patent No. US20010016955A1
                                                                                                                                                                                                                                                                                          PRIOR FILING DATE: 19
NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Woodhead, Mary Rose
APPLICANT: Taylor, Mark Andrew
APPLICANT: Brennan, Rex Michael
TITLE OF INVENTION: BLACKCURRANT PROMOTERS AND GENES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 384
                                                                                                                                                                                                                                                                             SOFTWARE:
                                         1596 GTGTAAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
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1015 GTGTAAAAAAAAAAAAAAAAAAA 1038
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/925,300 CURRENT FILING DATE: 2001-08-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Craig Rosen,
APPLICANT: Steve Ruben
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 10
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05988
PRIOR FILING DATE: 2000-03-08
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                                                                                Match 100.0%; p Local Similarity 100.0%; p
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          978 СТСТААААААААААААААААААА 1001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24;
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                                                                                               1.5%; Score 24; DB 10; Length 1046; 100.0%; Pred. No. 0.68;
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                                                                                Mismatches
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; ORGANISM: Arabidopsis thaliana US-09-770-791-315
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LENGTH: 373
TYPE: DNA
                                                                                                                                                                    RESULT 30
US-10-062-254-125
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APPLICANT: Grlach, Jrn
APPLICANT: INVENTION: Expressed Sequences of Arabidopsis
TITLE OF INVENTION: thaliana
                                                    Patent No. US2002013888ZA1

GENERAL INFORMATION:

APPLICANT: Cahoon, Edgar B

APPLICANT: Cahoon, Reboon
                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT FILING DATE: 2000-08-11
CURRENT FILING DATE: 2000-08-11
PRIOR APPLICATION NUMBER: US 60/148,784
PRIOR FILING DATE: 1999-08-13
NUMBER OF SEQ ID NOS: 900
SOFTWARE: PBSTSEQ for Windows Version 3.0
SEQ ID NO 439
LENGTH: 419
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APPLICANT: Hurban, Patrick
TITLE OF INVENTION: Expressed Sequences of Arabidopsis
TITLE OF INVENTION: thallana
FILE REFERENCE: 2029 (PARA-0.18PR)
                                                                                                                                                                                                                                                                                                                                         Query Match 1.5%;
Best Local Similarity 100.0%;
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                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQ ID NOS: 999
SOFTWARE: FastSEQ for Windows Version 4.0
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CURRENT FILING DATE: 2001-01-26
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                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA ORGANISM: Arabidopsis thaliana
APPLICANT:
                  APPLICANT:
                                    APPLICANT:
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                                                                                                                                                                                                                                           45 GTGTAAAAAAAAAAAAAAAAAAAA 22
                                                                                                                                                                                                                                                                                                                             24;
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                              Cahoon, Rebecca E
Falco, Saverio Carl
Fang, Yiwen
                Hantke, Sabine S.
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  Lee, Jian-Ming
                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                               1.5%; Score 24; DB 10; Length 419; L00.0%; Pred. No. 0.72;

 Mismatches

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CURRENT APPLICATION NUMBER: US/10/062,254
CURRENT FILING DATE: 2002-02-01
PRIOR APPLICATION NUMBER: 09/630,346
PRIOR FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: 60/146511
PRIOR APPLICATION NUMBER: 60/156006
PRIOR APPLICATION NUMBER: 60/156006
PRIOR APPLICATION NUMBER: 60/156006
PRIOR APPLICATION NUMBER: 09/9-23
PRIOR FILING DATE: 1999-09-23
PRIOR FILING DATE: 1999-09-23
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US-09-925-300-627
; Sequence 627, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
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SEQ ID NO 125
LENGTH: 766
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APPLICANT:
APPLICANT:
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                                                                              SOFTWARE: PatentIn Ver.
SEQ ID NO 627
LENGTH: 871
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PRIOR FILING DATE: 1999-12-21
PRIOR APPLICATION NUMBER: 60/171515
PRIOR FILING DATE: 1999-12-22
PRIOR APPLICATION NUMBER: 60/173535
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 60/169767
PRIOR FILING DATE: 1999-12-09
PRIOR APPLICATION NUMBER: 60/171054
PRIOR FILING DATE: 1999-12-16
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PRIOR FILING DATE: 1999-09-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Polynucleotides Encoding Proteins Involved In Plant Metabolism
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
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                                                                                                                                        CURRENT APPLICATION NUMBER: US/09/925,300
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05988
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR FILING DATE: 1999-12-29
                                                                                                                                                                                                                                                                                                    APPLICANT: Steve Ruben
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PAIO1
                                                                                                                                                                                                                                                                                                                                                APPLICANT: Craig Rosen, APPLICANT: Steve Ruben
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ORGANISM: Picramnia pentandra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1596 GTGTAAAAAAAAAAAAAAAAAA 1619
                    FEATURE:
                                                              TYPE: DNA
NAME/KEY: misc feature
                                         ORGANISM: Homo sapiens
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Zheng, Peizhong
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
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100.0%; Pred. No.
tive 0; Mismatc
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RESULT 26
US-09-920-300A-58

Sequence 58, Application US/09920300A
Patent No. US20020136728A1
GENERAL INFORMATION:
APPLICANT: King, Gordon E.
APPLICANT: Meagher, Madeleine Joy
APPLICANT: Xu, Jiangchun
APPLICANT: Secrist, Heather
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: HORFman, Neil
APPLICANT: HUrban, Patrick
TITLE OF INVENTION: Expressed Sequences of Arabidopsis
TITLE OF INVENTION: Expressed Sequences of Arabidopsis
FILE REFERENCE: 2031US (PARA-020PRV)
CURRENT APPLICATION NUMBER: US/09/770,696
CURRENT FILING DATE: 2001-01-26
PRIOR APPLICATION NUMBER: 60/178,278
PRIOR APPLICATION NUMBER: 60/178,278
INUMBER OF SEQ ID NOS: 911
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 104
LENGTH: 208
TYPE: DNA
TYPE: DNA
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APPLICANT: Secrist, Heather TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER FILE REFERENCE: 210121.547
CURRENT APPLICATION NUMBER: US/09/920,300A
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Best Local
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APPLICANT:
APPLICANT:
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Gorlach, Jorn APPLICANT: An, Yong-Qian
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Local Similarity 100.0%; Preg. No. Co.
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Raines, Tracy M.
Yu, Yang
Rameaka, Joshua G.
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Allen, Keith
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Slader, Ted
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Haas, William David
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Ledford, Brooke L.
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Hamilton, Carol M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Page, Amy
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                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
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RESULT 28
US-09-770-791-315/c
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US-10-033-528-58
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LENGTH: 258
TYPE: DNA
                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Gorlach, Jorn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-920-300A-58
                                                                                                                                                                                               Sequence 315, Application US/09770791
Patent No. US20020062014A1
                                                                                                                                                                                                                                                                                                                                                     Query Match 100.0%; Pred. No. U./ Best Local Similarity 100.0%; Pred. No. U./
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APPLICANT: King, Gordon E.
APPLICANT: Meagher, Madelein
APPLICANT: Xu, Jiangchun
APPLICANT: Secrist, Heather
              APPLICANT:
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER FILE REFERENCE: 210121.547C1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: FastSEQ for Windows Version 4.0
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NUMBER OF SEQ ID NOS: 1896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/10/033,528
                                                                                                                                                                                                                                                                                                                              1596 СТСТААЛАААЛАЛАЛАЛАЛАЛАЛА 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: misc_feature
LOCATION: 258
LOCATER INFORMATION: n = A,T,C or G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Homo sapiens FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT FILING DATE: 2001-07-31
NUMBER OF SEQ ID NOS: 1789
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
NAME/KEY: misc_feature
LOCATION: 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1596 GTGTAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                 228 GTGTAAAAAAAAAAAAAAAAA 251
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       Page, Amy
Matthew, Abraham V.
Ledford, Brooke L.
                                                        Yu, Yang
Rameaka, Joshua G.
                                                                                            Price, Jennifer L.
Raines, Tracy M.
                                                                                                                            Hamilton, Carol M.
                                                                                                                                          An, Yong-Qiang
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100.0%; Pr
                                                                                                                                                                                                                                                                                                                                                                            1.5%; Score 24; DB 12; Length 258; 100.0%; Pred. No. 0.73;
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APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Jones, Robert
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4911
LENGTH: 363
                                                                                                                    GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Aglace, Paul A.

APPLICANT: Jones, Robert

APPLICANT: Harlocker, Susan L.

APPLICANT: Harlocker, Susan L.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

TITLE REFERENCE: 210121.497

CURRENT APPLICATION NUMBER: US/09/867,701

CURRENT FILING DATE: 2001-05-29

NUMBER OF SEQ ID NOS: 10912

SOFTWARE: PASSTSEQ for Windows Version 4.0

SEQ ID NO 5174

LENGTH: 395
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; CURRENT APPLICATION NUMBER: US/09/960,352
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 9079
; LENGTH: 152
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 39-LIB3058-009-Q1-K1-B12
US-09-960-352-9079
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ş
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; ORGANISM: Homo sapien
US-09-867-701-4911
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 22
US-09-867-701-5174/c
                                                              ; ORGANISM: Homo sapien US-09-867-701-5174
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Matches
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Best Local :
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Best Local Similarity
                     Query Match
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                                                                                                           TYPE: DNA
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100.0%;
                       1.5%;
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  Score 25;
Pred. No.
    DB 10;
0.28;
                       Length 395;
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US-09-919-580-143/c
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APPLICANT: Pyle, Ru
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APPLICANT: Secrist, Heather
APPLICANT: Secrist, Heather
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
TILE REFERENCE: 210121.552
CURRENT APPLICATION NUMBER: US/09/919,580
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 934
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID: 0143
SEQ ID: 0143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
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SEQ ID NO 584
LENGTH: 2968
                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/124,270 PRIOR FILING DATE: 1999-03-12 NUMBER OF SEQ ID NOS: 1694
                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/925,301
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05882
PRIOR FILING DATE: 2000-03-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies FILE REFERENCE: PA106 \,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Rosen et al
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:

NAME/KEY: misc_feature

LOCATION: 62, 74, 231, 357, 405, 499, 510, 532, 564

OTHER INFORMATION: n = A,T,C or G
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ORGANISM: Homo sapiens
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                                                                                                                                                               NAME/KEY: misc_feature
LOCATION: (454)
OTHER INFORMATION: n equals a,t,g, or c
                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                        TYPE: DNA
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                                                                                                                                                                                                                              FEATURE:
                                                                                                 NAME/KEY: misc_feature
LOCATION: (1437)
OTHER INFORMATION: n equals a,t,g, or c
LOCATION: (2964)
                      NAME/KEY: misc_feature
                                          OTHER INFORMATION: n equals a,t,g, or c
                                                         NAME/KEY: misc_feature
LOCATION: (2961)
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Conservative (
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0.27;
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; TYPE: DNA
; ORGANISM: Homo sapien
US-09-867-701-4251
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; ORGANISM: Homo sapien
US-09-867-701-7826
  APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT APPLICATION NUMBER: US/09/867,701
                                                                                                                                                                     Sequence 2375, Application US/09867701 Patent No. US20020132237A1 GENERAL INFORMATION:
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4251
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NUMBER OF SEQ ID NOS: 10912
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMMOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 7826
LENGTH: 381
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches 125; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      116 CTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCCCCG 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            959 CTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGAGGACTGGCGCCG 1018
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Local Similarity 100.0%; Pred. No. 4c
Cocal Similarity 0; Mismatches
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100.0%; Pred. No. 1.7e-42;
ative 0; Mismatches 0;
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100.0%; Pred. No. 2e-40;
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US-09-960-352-9079/c
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; OTHER INFORMATION: n = A,T,C or G
US-09-867-701-2375
                                                                                                                                            Sequence 9079, Application US/09960352 Patent No. US20020137139A1 GENERAL INFORMATION:
APPLICANT: WAITEN, Wesley C.
APPLICANT: Tao, Nengbing
APPLICANT: Tao, Nengbing
APPLICANT: Byatt, John C.
APPLICANT: Mathialagan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Bolt, Andrew APPLICANT: Van Huffel, Christophe TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS AND METHODS TITLE OF INVENTION: FOR THE IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY TITLE OF INVENTION: OF HUMAN CANCERS FILE REFERENCE: MRI-016B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2375
LENGTH: 558
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/834,975
CURRENT FILING DATE: 2001-04-13
PRIOR APPLICATION NUMBER: 60/197,538
PRIOR FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 1046
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches 112;
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APPLICANT: Brown,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 1368
TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: misc_feature
LOCATION: (1)...(1368)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: n = A,T,C or G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                   1593 АСАСТСТАЛАЛАЛАЛАЛАЛАЛАЛАЛА 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: misc_feature
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TYPE: DNA
ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                         459 ACAGTGTAAAAAAAAAAAAAAAAAA 485
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   202 GAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCC 253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 142 TGCACGAACACCCGGCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACC 201
                                                                                                                                                                                                                                                                                                                                                                                                        Local
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                                                                                                                                                                                                                                                                                                                                                                           l Similarity 100.0%; Pred. No. 0.0
27; Conservative 0; Mismatches
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Bolt, Andrew
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                                                                                                                                                                                                                                                                                                                                                                                             1.7%; Score 27; DB 10; Length 1368; 100.0%; Pred. No. 0.039;
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GENERAL INCOMPATION:

GENERAL INCOMPATION:

APPLICANT: Aglate, Paul A.

APPLICANT: Jones, Robert

APPLICANT: Jones, Robert

APPLICANT: Jones, Robert

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.497

CURRENT APPLICATION NUMBER: US/09/867,701

CURRENT FILING DATE: 2001-05-29

NUMBER OF SEQ ID NOS: 10912

SOFTMARE: FASTSEQ FOR Windows Version 4.0

SEQ ID NO 8894

LENGTH: 201
                                                                                                                                                         APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
FILE REFERENCE: 210121.497
FULE REFERENCE: 210121.497
CUPRENT APPLICATION NUMBER: US/09/867,701
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1532
LENGTH: 390
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US-09-867-701-1532
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FEATURE:

NAME/KEY: misc_feature

LOCATION: (1)...(390)

OTHER INFORMATION: n = A,T,C or
US-09-867-701-1532
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Patent No. US20020132237A1
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Best Local Similarity
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                                                                                                                 ORGANISM: Homo sapien
                                                                                                                                            TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1283 TGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAA 1342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1343 CAATCAGCCCTGGGCAGACACGAGCAGGAGGGAGAGAGAAAA 1388
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10.3%; Score 166; DB 10; Length 201; ilarity 100.0%; Pred. No. 2.3e-59; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                           Sequence 7826, Application US/09867701; Patent No. US20020132237A1; GENERAL INFORMATION:
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SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 213
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Best Local Similarity
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Best Local (
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APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILIG DATE: 2001-04-03
APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
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                                                                                                                                                                                                                                                                                                                                                                                           400 GGTGAACGTTCAAGACATGTGTGAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 459
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                                                                                                                                                                                                                                                                                                             460 CCGCAAGTCCTGTGCAT 476
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 Mismatches

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Sequence 212. Application US/09825294
Patent No. US20020004491A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER FILE REFERENCE: 210121.48405
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
                                                                                                                                                                                                                          US-09-825-294-212
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; ORGANISM: Homo sapien
US-09-867-701-2409
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Sequence 2409, Application US/09867701

PATENT NO. US20020132237A1

GENERAL INFORMATION:
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2409
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APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
FITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
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; ORGANISM: Homo sapien US-09-867-701-4240
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: LENGTH: 1010

: TYPE: DNA

: ORGANISM: Homo sapiens

US-09-825-294-212
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SEQ ID NO 4240
LENGTH: 409
TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: HARLOCKEY, SUSAN L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Aglate, Paul A. APPLICANT: Jones, Robert APPLICANT: Harlocker, Sus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 4240, Application US/09867701 Patent No. US20020132237A1
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SOFTWARE: PastSEQ for Windows Version 3.0
1405 GAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCTTTGTTGTGTGTTGTGCTGGC 1464
                                                                                                                                                                195 GAACACAGTAAATAAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGC 136
                                                                                                                                              438 TCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              271 CATCAGCTGCTGCAACACCCCTCTTTGTAAC 301
                                                                                                                                                                                                                                                                                                   Match 16.3%; Score 264; DB 10; Length 409; Local Similarity 99.7%; Pred. No. 9e-100; les 314; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             258 AGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTG 317
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APPLICANT: Aglate, Paul A.

APPLICANT: Jones, Robert

APPLICANT: Harlocker, Susan L.

APPLICANT: Harlocker, Susan L.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.497

CURRENT APPLICATION NUMBER: US/09/867,701

CURRENT APPLICATION NUMBER: US/09/867,701

CURRENT FILING DATE: 2001-05-29

INUMBER OF SEQ ID NOS: 10912

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 1516
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US-09-825-294-199
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                                                     ; TYPE: DNA; Homo sapien US-09-867-701-1516
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LENGTH: 369
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Best Local :
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APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN
FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 3.0
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Patent No. US20020132237A1
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               Query Match
Best Local Similarity
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     100.0%;
                       19.5%;
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   Score 315;
Pred. No.
     8.7e-121;
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                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 9
                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 3.0
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APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
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LOCATION: (1)...(396)
OTHER INFORMATION: n = A,T,C or G
                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1405 GAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGC 1464
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  191
             181 CCGCAAGTCCTGTGCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT 240
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CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT
                                                     GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 70
                                                                                 GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 180
                                                                                                                                                                                                                                         l Similarity
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; NAME/KEY: misc_feature
; LOCATION: 607
; OTHER INFORMATION: n = A,T,C or G
US-09-867-701-10876
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APPLICANT: Jones, Robert
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSEQ for Windows Version 4.0
FENOME: COE
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Best Local
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              1412 GTAAATGAATAAAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA 1471
                                                                                                                                                                                                                ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                 1172 CCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGA 1231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 625
TYPE: DNA
                                                                                                      1112 CAGCGACAGGCGGCAGCACCACCTTGCACGAACACCCGCCGAAACTGCTGCGAGGACA 1171
                                                                                                                                                             360 CTGGGCAGACGAGCAGGAGGGAGAGAGAGAAAAGAAAAACACAGCATGAGAACACA 419
                                                                                                                                                                                                                                                                                                                                                                               121 CAGCGACAGGCGGCAGCACAGCACC-TGCACGAACACCCGGCGAAACTGCTGCGAGGACA 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Match 30.0%;
Local Similarity 99.8%;
local Sconservative
                                                    CTGGGCAGACACGAGCAGGAGGAGGAGACAGAGAAAAAGAAAAACACAGGATGAGAACACA 1411
                                                                                                                                                                                                                                                                                                                          CCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGA 239
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SOFTWARE: FBSTSEQ for Windows Version 3.0
SEQ ID NO 208
LENGTH: 1362
TYPE: DNA
ORGANISM: Homo sapiens
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; Patent No. US20020004491A1
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APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN
FILE REFERENCE: 210121.484C5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/825,294 CURRENT FILING DATE: 2001-04-03
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                                         1325 ATACGGCCAATGTCACAACAATCAGCC 1351
                                                                                                                                                         1003 GGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCG
                                                                                                                                                                             1205 GGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCG 1264
                                                                                                                                                                                                                                        1063 ACACCCGCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGA 1004
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                                                                                                               1265 TCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGC 1324
                                                                                                                                                                                                                                                                                                                         1122 CAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCAGCACAGCACC-TGCACGA
883 ATACGGCCAATGTCACAACAATCAGCC 857
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1302 GTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCT 1243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               965 CTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCCGGGACGC
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                                                                          TCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGC
                                                                                                                                                                                                                                                                                                                                                 CAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCAGACAGCACACCTTGCACGA 1144
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Similarity 99.8%;
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US-09-825-294-199

Sequence 199, Application US/09825294 Patent No. US20020004491A1

GENERAL INFORMATION

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                                                                                                             CCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACTTGA 1778
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APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484CS
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 210
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TYPE: DNA
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               TAACACTGTTTCAAACCCGGGGGAGTTGGCTGTGTAAAGAAAAAACACATTAAATGCTTTA 1591
                                                          GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA 1471
                                                                                                                                                                           CTGGGCAGACACGAGCAGGAGGAGAGACAGAGAAAAAAACACAGCATGAGAACACA
                                                                                     Similarity
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                                                                   AGAGAAAAGAAAAACACAGCATGAGAACACAGTAAATGAATAAAACCATAAAATTTTAG
                                                                                    AGAGAAAAGAAAAACACAGCATGAGAACACAGTAAATGAATAAAACCATAAAATATTTAG 1440
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; LOCATION: (1)...(1897)
; OTHER INFORMATION: n = A,T,C or G
US-09-825-294-214
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APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121, 484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ 1D NOS: 215
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SEQ ID NO 214
LENGTH: 1897
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Best Local Similarity
Matches 1616; Conserv
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                    481 GTTTCTTCGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGTGTTCTCTTTTGTT
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Pred. No. 0;
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                                  CTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATC
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APPLICANT: Algate, Paul A.

APPLICANT: Fling, Steven P.

TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CA

TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CA

FILE REFERENCE: 210121.484C5

CURRENT APPLICATION NUMBER: US/09/825,294

CURRENT FILING DATE: 2001-04-03

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 211

LENGTH: 1619
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APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
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Best Local Similarity
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100.0%; Pred. No. 0;
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Result
No.
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Maximum DB seq length: 2000000000
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Gapop 60.0 , Gapext 60.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      '/cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
'/cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
'/cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GenCore version 5.1.3 Copyright (c) 1993 - 2002 Compugen Ltd.
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                                          1619
11619
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    US-09-825-294-205
US-09-825-294-211
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US-09-867-701-1516
US-09-867-701-2409
US-09-867-701-4240
US-09-867-701-1532
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8163.686 Million cell updates/sec
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Sequence 205, App
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Sequence 199, App
Sequence 1516, Ap
Sequence 2409, Appli
Sequence 212, App
Sequence 4240, Ap
Sequence 1532, Ap
Sequence 1532, Ap
Sequence 213, App
Sequence 213, App
Sequence 213, App
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Sequence 325, Ap
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	294-205, F a 205, F INFORMA	00000000000000000000000000000000000000
FTTTTGCGGA	ESULT 1 S-09-825-294-205 Sequence 205, Applicat, Patent No. US200200044 GENERAL INFORMATION: APPLICANT: Xu, Jiangel APPLICANT: Stolk, Johapplicant: Algate, Patent Pille of INVENTION: CUTITLE OF INVENTION: CUTITLE OF INVENTION: CUTITLE OF SEQ ID NOS: SOFTWARE: FILING DATE: NUMBER OF SEQ ID NOS: SOFTWARE: FastSEQ for SEQ ID NO 205 LENGTH: 1619 TYPE: DNA ORGANISM: Homo sapier op-825-294-205 Query Match Best Local Similarity Matches 1619; Conserva	
CATCATCATCATCATCATCATCATCATCATCATCATCATC	ion Us 91A1 91A1 91A1 91A1 Nan Nan Naven F Saven F Sav	353 395 395 395 395 2968 2968 258 258 258 276 419 939 1029 1029 1046 1190 11337 11337 11337 11337 11337 11337
STTCTTG	5/09 5. US: 04: 08:	100 100 110 110 110 110 110 110 110 110
CTTCCAGGCTTTGCGCTGCAAAT	NND METHODS FOR THE STAGNOSIS OF OVARIAN CREES, 294 Sion 3.0 Mismatches 0; Ind	US-09-960-352-9079 US-09-867-701-4911 US-09-867-701-5174 US-09-919-580-143 US-09-919-580-143 US-09-925-301-584 US-09-927-300A-58 US-10-033-528-58 US-10-033-528-59 US-10-062-254-125 US-09-925-300-627 US-10-078-929-89 US-09-925-300-84 US-09-925-300-84 US-09-925-300-82 US-09-925-300-884 US-09-925-300-884 US-09-925-300-886 US-09-989-722-286 US-09-989-731-286 US-09-989-731-286 US-09-989-731-286 US-09-999-731-286 US-09-991-073-286 US-09-991-073-286 US-09-991-073-286 US-09-991-073-286 US-09-991-073-286 US-09-991-073-286 US-09-991-073-286 US-09-991-073-286 US-09-991-073-286
CCAGTGCTACCA 60	ANCER ingth 1619; lels 0; Gaps 0;	Sequence 9079, Apsequence 4911, Apsequence 143, App Sequence 584, Appl Sequence 58, Appl Sequence 58, Appl Sequence 439, Appl Sequence 125, Appl Sequence 125, Appl Sequence 384, Appl Sequence 287, Appl Sequence 58, Appl Sequence 286, Appl Sequence 286, Appl Sequence 15, Appl Sequence 15, Appl Sequence 286, Appl Sequ

CC histones, kinases, colony stimulating factors, complement related CC histones, kinases, colony stimulating factors, complement related CC groteins, cytochromes, kinesins, cytochnes, interferons, interleukins, CC G-protein coupled receptors and thioesterases. The present sequence is CC one such oligonucleotide. The oligonucleotides and the peptides encoded CC diseases associated with inappropriate expression of the proteins listed CC above. Disorders that may be prevented, diagnosed and/or treatment of CC diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes, CC diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes, CC e.g. cancers of the bladder, brain, breast, colon and kidney, CC leukaemia), diseases of the nervous system and an infection of pathogenic CC organisms.

XX Sequence 51 BP; 9 A; 5 C; 10 G; 27 T; 0 other;

Query Match 1.5%; Score 25; DB 22; Length 51; Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0; 1393 AACACAGCATGAGAACACAGTAAAT 27

Search completed: November 7, 2002, 18:15:59

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
   Claim 2; Page 59-60; 103pp; English
                               Isolated nucleic acid fragments encoding magnesium chelatase subunits, useful as probes for genetic and physical mapping of genes, as markers for traits linked to these genes, and in plant breeding -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             proteins, cytochromes, kinesins, cytokines, interferons, interleukins, G-protein coupled receptors and thioesterases. The present sequence is one such oligonucleotide. The oligonucleotides and the peptides encoded by them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the proteins listed above. Disorders that may be prevented, diagnosed and/or treated include multifactorial diseases with a genetic component, such as autoimmune diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes, systemic lupus erythromatosus and Grave's disease), inflammation, cancer (e.g. cancers of the bladder, brain, breast, colon and kidney, leukaemia), diseases of the nervous system and an infection of pathogenic
                                                                                                        P-PSDB; AAB48252.
                                                                                                                                                    Butler KH,
                                                                                                                                                                                                                 04-JUN-1999;
                                                                                                                                                                                                                                            02-JUN-2000; 2000WO-US15351
                                                                                                                                                                                                                                                                               14-DEC-2000.
                                                                                                                                                                                                                                                                                                                                                                                                    Glycine max
                                                                                                                                                                                                                                                                                                              WO200075340-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Soybean magnesium chelatase subunit cDNA (clone sdp4c.pk022.h18[FIS]).
                                                                                                                                                                                  (DUPO) DU
                                                                                                                                                                                                                                                                                                                                                                                                                                     soybean;
                                                                                                                                                                                                                                                                                                                                                                                                                                          Magnesium chelatase; transgenic; herbicide; gene marker; plant breeding;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAC84571;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1259 ACCTCGTCCAGTCGTGCTTGGGTTTG 1284
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                02-APR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAC84571 standard; cDNA; 2481 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 50 BP; 14 A; 12 C; 17 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention relates to oligonucleotides encoding polymorphic variants of proteins related to amylases, amyloid proteins, angiopoletin, apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, histones, kinases, colony stimulating factors, complement related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; Page 3451; 4143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                     2001-091215/10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ACCTCGTCCAGTCGTGCTTGGGTTTG 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26;
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                                                                                                                                                 Maxwell CA;
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RESULT 45
AAL27277/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                              Claim 1; Page 1529; 4143pp; English.
                                                                                Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases, oncogenes and histones, useful for diagnosing and treating, e.g. cancer, autoimmune diseases and infections -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antimicrobial; gene therapy; vaccine; amylase; cancer; amyloid protein; angiopoietin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor; complement related protein; cytochrome; kinesin; cytokine; interferon; interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection; nervous system disease; ss.
                                                                                                                                                                      WPI; 2001-465210/50
                                                                                                                                                                                                          Shimkets RA,
                                                                                                                                                                                                                                                (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                  27-DEC-2000; 2000US-0173419
                                                                                                                                                                                                                                                                                                                                                                                  05-JUL-2001.
                                                                                                                                                                                                                                                                                                      28-DEC-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                        WO200147944-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              <sup>7</sup>277/c
AAL27277 standard; DNA; 51 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human SNP oligonucleotide #485.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 2481 BP; 783 A; 489 C; 589 G; 620 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    magnesium chelatase subunit encoding cDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to nucleic acid fragments encoding magnesium chelatase subunits. The nucleic acid fragments may be used to create
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity 100.0%; P
                                                                                                                                                                                                          Leach M;
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Pred. No.
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The present invention relates to oligonucleotides variants of proteins related to amylases, amyloid

encoding polymorphic proteins, angiopoietin,

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RESULT 42
AAL33985/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1; Page 3450; 4143pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antimicrobial; gene therapy; vaccine; amylase; cancer; amyloid protein; anglopoietin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor; complement related protein; cytochrome; kinesin; cytokine; interferon; interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human SNP oligonucleotide #7193.
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                              Shimkets RA,
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                                                                                                                                                                                                                                                                                      28-DEC-2000; 2000WO-US35498.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nervous system disease; ss.
                                                                                                         (CURA-) CURAGEN CORP.
                                                                                                                                                                         28-DEC-1999; 99US-0173419.
27-DEC-2000; 2000US-0173419.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               50 GACTGGGACTTAGACTGGGGCTCGGC 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Leach M;
                                         Leach M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.6%; Score 26; DB 22; Length 50; 100.0%; Pred. No. 1.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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RESULT 43
AAL33986/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               proteins, cytochromes, kinesins, cytokines, interferons, interleukins, groteins cytochromes, kinesins, cytokines, interferons, interleukins, grotein coupled receptors and thioesterases. The present sequence is one such oligonucleotide. The oligonucleotides and the peptides encoded by them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the proteins listed above. Disorders that may be prevented, diagnosed and/or treated include multifactorial diseases with a genetic component, such as autoimmune diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes, systemic lupus erythromatosus and Grave's disease), inflammation, cancer (e.g. cancers of the bladder, brain, breast, colon and kidney,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention relates to oligonucleotides encoding polymorphic variants of proteins related to amylases, amyloid proteins, angiopoletin, apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, histones, kinases, colony stimulating factors, complement related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; Page 3451; 4143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases, oncogenes and histones, useful for diagnosing and treating, e.g. cancer, autoimmune diseases and infections -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-465210/50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1285 GCCGCAGCCATGATCCTCCGAATCTG 1310
                                                                                                                                                                                                                                                                                                                                                               Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antimicrobial; gene therapy; vaccine; amylase; cancer; amyloid protein; angiopoietin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor; complement related protein; cytochrome; kinesin; cytokine; interferon; interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   organisms.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 50 BP; 14 A; 13 C; 17 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human SNP oligonucleotide #7194.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24-JAN-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAL33986 standard; DNA; 50 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 leukaemia), diseases of the nervous system and an infection of pathogenic
                                                                                                                                                                                                                                                                             WO200147944-A2
                                                                                                                                                                                                                                                                                                                                                   nervous system disease;
                                 WPI; 2001-465210/50.
                                                                      Shimkets RA,
                                                                                                                                             28-DEC-1999; 99US-0173419
27-DEC-2000; 2000US-0173419
                                                                                                                                                                                                    28-DEC-2000; 2000WO-US35498.
                                                                                                                                                                                                                                         05-JUL-2001.
                                                                                                                                                                                                                                                                                                                Homo sapiens.
                                                                                                        (CURA-) CURAGEN CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GCCGCAGCCATGATCCTCCGAATCTG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                      Leach M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.6%;
                                                                                                                                                                                                                                                                                                                                                       SS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 22; Length 50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
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Polymorphic nucleic acids

encoding e.g.

amylases, cyclins, polymerases,

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RESULT 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
(MILL-) MILLENNIUM PREDICTIVE MEDICINE INC
                            14-APR-2000; 2000US-197538P.
                                                        13-APR-2001; 2001WO-US12132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             detecting RNA transcripts and splice variants of human or animal transcriptomes. The libraries may also be used as specialised mini libraries to detect transcripts of a sub-transcriptome under a particular biological or pathological state, and so allowing the only expressed in specific tissue under a specific genes such as those genes only expressed in specific tissue under a specific pathological condition; to detect developmental specific genes; and to detect RNA franscripts and splice variants of a transcriptome of a patient suffering oligonucleotide sequences from rats, humans and mice, which are used in the exemplification of the present invention.

The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                              WO200179556-A2
                                                                                                                                                                                      Human; cancer cell marker; TAXOL; cytostatic; tumour; carcinoma; squamous cell carcinoma; sarcoma; fibrosarcoma; leukaemia;
                                                                                   25-OCT-2001.
                                                                                                                                        Homo sapiens.
                                                                                                                                                                                                                                   Human cancer agent-sensitive marker #326.
                                                                                                                                                                                                                                                                 29-JAN-2002
                                                                                                                                                                  Hodgkin's disease;
                                                                                                                                                                                                                                                                                              AAS60824;
                                                                                                                                                                                                                                                                                                                   AAS60824 standard; cDNA; 1368 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           biological sample, in expression profiling studies, in qualitatively or quantitatively characterising the corresponding transcriptome, and in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 60 BP; 17 A; 17 C; 15 G; 11 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        the genome, which encodes one or more messenger RNA splice variants. The oligonucleotide libraries are useful for detecting mRNAs from a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             transcription units that populate a genome. The library comprises several oligonucleotides, each capable of hybridising selectively to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           messenger RNAs that populate a (sub-)transcriptome, where the (sub-)transcriptome comprises messenger RNAs transcribed from multiple transcription units that populate a genome. The library comprises
                                                                                                                                                                      ymphocytic leukaemia; lymphoma; plasmocytoma; reticulum cell sarcoma;
                                                                                                                                                                                                                                                                                                                                                                                              864 AAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCG 923
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention describes oligonucleotide libraries for detecting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; SEQ ID 14725; 47pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New oligonucleotide libraries comprising oligonucleotides which selectively hybridize to mRNAs transcribed from a transcription unit of a genome, useful for detecting tissue-, pathology-, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               developmental-specific genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Shoshan A, Wasserman A,
                                                                                                                                                                                                                                                                                                                                                                                 60 AAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  of messenger RNAs transcribed from a given transcription unit of
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                  glioma; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                      100.08; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mintz E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 60;
Pred. No
                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                         No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mintz L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 24; Length 60; 2.3e-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Faigler S;
                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                        0;
                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                      0;
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AAL33984/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cc cells are shown not to express one of the 804 resistance markers.

Cr The methods can be used to determine the effectiveness of TAXOL

Cr In the treatment of cancer cell growth in an individual. The markers

Cr can be used as targets in developing anti-cancer agents such as

Cr chemotherapeutic compounds. The markers can also be used as targets in

Cr developing treatments for cancer, particularly those cancers which

Cr display resistance to agents and exhibit expression of the markers. The

Cr cancer agents developed by the novel method can be used to treat

Cr cancer. Probes based on the markers can be used to detect transcripts or

Cr cells or tissues which mis-express the protein. Cancers which may

Cr cells or tissues which mis-express the protein. Cancers which may

Cr cells or tissues which mis-express the protein. Cancers which may

Cr sarcoma (e.g. fibrosarcoma) leukaemia (e.g. lymphocytic leukaemia),

Cr lymphoma, plasmocytoma, reticulum cell sarcoma, Hodgkin's disease and

Cr covel cancer cell markers.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local :
28-DEC-1999;
27-DEC-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antinicrobial; gene therapy; vaccine; amylase; cancer; amyloid protein; angiopotetin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor complement related protein; cytochrome; kinesin; cytokine; interferon;
                                                                                                  28-DEC-2000; 2000WO-US35498
                                                                                                                                                                                                                                               WO200147944-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1593 ACAGTGTAAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                                 HOMO sapiens.
                                                                                                                                                                                                                                                                                                                                                                                  nervous system disease; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                          multifactorial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human SNP oligonucleotide #7192.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24-JAN-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAL33984 standard; DNA; 50 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                        complement related protein; cytochrome; kinesin; cytokine; interferon; interleukin; G-protein coupled receptor; thioesterase; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 1368 BP; 517 A; 312 C; 321 G; 213 T; 5 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   markers for determining the sensitivity of a cancer cell to the anticancer agent TAXOL. Cancer cells can be treated with TAXOL when they are shown to express one of the 242 sensitivity markers or the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          459 ACAGTGTAAAAAAAAAAAAAAAAAAAA 485
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to 1046 novel nucleic acids which are used as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 1; Page 339-340; 527pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel nucleic acid, used as a marker to determine the effectiveness using TAXOL to treat cancer cell growth in individuals - \,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-602933/68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Lillie J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Brown JL,
   99US-0173419
2000US-0173419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                           disease; autoimmune disease; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bolt A,

 Mismatches

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 27;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Van Huffel C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 22; Length 1368;
0.28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     . 28;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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Jones R;

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The present invention describes a composition (I) comprising: carriers cc and immunostimulants; and a polypoptide (II) of a ovarian tumour cc polypoptide encoded by a polynucleotide (III) having a cDNA sequence cc (SI) from the 10912 nucleotide sequences as given in ABL77023 to cc ABL87934, (III) encoding (II) having a sequence (S2), a T cell cc (SI) has cytostatic activity. An oligonucleotide (IV) that hybridises to cc (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to cc (SI) can be used for detecting ovarian cancer in a patient's biological contacting a biological sample from a patient with (IV), detecting the cc amount of polynucleotide hybridising to (IV) and comparing the amount of polynucleotide hybridising to (IV) and comparing the cc aptient, where the amount of polynucleotide hybridising to (IV) is cdetected preferably by polymerase chain reaction (PCR). (I) comprising cc (III) and/or (II) is useful for stimulating and/or expanding T cells cwith (III) or (II). (III) is useful in design and preparation of cc with (III) or (III). (III) is useful in design and preparation of cultable library e.g., a tumour cDNA library using well known
                                                                                                                                                                                                                                                                                                                                                                             RESULT 38
ABL79397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               S
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 PI PAXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches 120;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 1; SEQ ID 4251; 489pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2002-122075/16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Algate PA, Harlocker SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 430 BP; 92 A; 121 C; 108 G; 109 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  techniques.
                                                                                                                                                                                                                                                               Human ovarian cancer related cDNA clone SEQ ID NO:2375.
                                                                                                                                                                                                                                                                                                  17-MAY-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                 ABL79397;
                                                                                                                                                                                                                                                                                                                                                                  ABL79397 standard; cDNA; 558 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200192581-A2.
                                                                                                                                                                                                                                 Human; ovarian cancer; ovarian tumour; cytostatic; gene; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                             Algate PA,
                                                                  26-MAY-2000; 2000US-207484P
                                                                                                                                   06-DEC-2001.
                                                                                                                                                                                                 Homo sapiens
                                                                                                 29-MAY-2001; 2001WO-US17756.
                                 (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ocal Similarity
   Harlocker SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  7.4%; Score 120; DB 24; Length 430; 100.0%; Pred. No. 1.4e-38;
     Jones R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0
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RESULT 39
ABN41977/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CC ABL87934, (III) encoding (II) having a sequence (S2), a T cell
CC population of (II) or antigen presenting cells that express (II).
CC (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to
CC (S1) can be used for detecting ovarian cancer in a patient's biological
CC (S2) can be used for detecting ovarian cancer in a patient's biological
CC sample preferably serum or ovarian tissue. The method comprises
CC contacting a biological sample from a patient with (IV), detecting the
CC amount of polynucleotide hybridising to (IV) and comparing the amount to
CC apredetermined cutoff value and thereby detecting ovarian cancer in the
CC patient, where the amount of polynucleotide hybridising to (IV) is
CC patient, where the amount of polynucleotide hybridising to (IV) is
CC contacting and/or (II) is useful for stimulating and/or expanding T cells
CC specific for an ovarian tumour protein comprising contacting T cells
CC specific for an ovarian tumour protein comprising contacting T cells
CC with (III) or (II). (III) is useful in design and preparation of
CC and proteins in tumour cells; and to isolate a full length gene from a
CC suitable library e.g., a tumour cDNA library using well known
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    δÃ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             В
Matches 112;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing polypeptide -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention describes a composition (I) comprising: carriers and immunostimulants; and a polypeptide (II) of a ovarian tumour polypeptide encoded by a polynucleotide (III) having a cDNA sequence (S1) from the 10912 nucleotide sequences as given in ABL77023 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 1; SEQ ID 2375; 489pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2002-122075/16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1198 GAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCC 1249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1138 TGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACC 1197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 558 BP; 147 A; 133 C; 166 G; 106 T; 6 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              techniques.
                                                                                                                                                                                                                                                                            splice variant; transcriptome; oligonucleotide library;
                                                                                                                                                                                                                                                                                                                                     Human spliced transcript detection oligonucleotide SEQ ID NO:14725.
                                                                                                                                                                                                                                                                                                                                                                                                                      ABN41977;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABN41977 standard; DNA; 60 BP
                                                                                                                                                                                                                                                                                                  Human; mouse; rat; splice transcript; detection; RNA transcript;
                                                                                                                                                                                                                                                                                                                                                                                15-JUL-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            07-FEB-2002.
                                                                                                                                                                                                  WO200210449-A2
                                                             28-JUL-2000;
02-MAY-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             202 GAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCC
                     (COMP-) COMPUGEN INC
                                                                                                                      20-JUL-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                        2001WO-IB01903.
                                                           2000US-221607P.
2001US-287724P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6.98;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 112; DB 24;
b; pred. No. 2.2e-35;
b; pred. No. 2.2e-35;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 558;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0;
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RESULT 36
ABL84848
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to ovarian tumour polynucleotides and polypeptides CC that may be utilised in cancer therapy, for example in a vaccine or CC gene therapy. Polypeptides and polynucleotides of the invention are CC useful for detecting a cancer in a patient, for stimulating and/or CC expanding T-cells specific for a tumour protein, and for inhibiting the CC expanding T-cells specific for a tumour protein, and for treating a cancer in a patient. They are also useful for CC atimulating an immune response in a patient. They are also useful for the CC atimulating an immune response in a patient. They are also useful for CC a patient and for determining the presence of a cancer in a patient. The collectively form duplex molecules with complementary stretches CC free isolated polynucleotides of the invention are useful for their CC of the entire desired gene or gene fragments, and for designing and CC preparing ribozyme molecules for inhibiting expression of tumour cells. Polypeptides and polynucleotides of the invention are also useful in recombinant DNA molecules to direct CC expression of a polypeptide in appropriate bost cells. The current CC sequence or a polypeptide in appropriate host cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local :
WPI; 2002-122075/16
                                    Algate PA, Harlocker SL,
                                                                           (CORI-) CORIXA CORP.
                                                                                                             26-MAY-2000; 2000US-207484P
                                                                                                                                                                                              06-DEC-2001.
                                                                                                                                                                                                                                                                                                 Human; ovarian cancer; ovarian tumour; cytostatic; gene;
                                                                                                                                                                                                                                                                                                                                        Human ovarian cancer related cDNA clone SEQ ID NO:7826.
                                                                                                                                                   29-MAY-2001; 2001WO-US17756.
                                                                                                                                                                                                                                   WO200192581-A2
                                                                                                                                                                                                                                                                                                                                                                                  17-MAY-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABL84848 standard; cDNA; 381 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                 ABL84848;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 480 BP; 86 A; 154 C; 153 G; 87 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          sequence represents the ovarian carcinoma BE336607 nucleotide sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   460
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim la; Page 127; 131pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                280 GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61 GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LOCAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CCGCAAGTCCTGTGCAT 197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GGTGAACGTTCAAGACATGTGTGAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         196;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9.0%; Score 146; DB 2.
99.5%; Pred. No. 5e-49;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 24; Length 480;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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RESULT 37
ABL81273
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches 125;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                  26-MAY-2000; 2000US-207484P
                                                                                                                                    06-DEC-2001.
              (CORI-) CORIXA CORP.
                                                                                          29-MAY-2001; 2001WO-US17756.
                                                                                                                                                                                                                                             Human; ovarian cancer; ovarian tumour; cytostatic; gene; ss
                                                                                                                                                                                                                                                                                                                                   17-MAY-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (S1) can be used for detecting ovarian cancer in a patient's biological sample preferably serum or ovarian tissue. The method comprises contacting a biological sample from a patient with (IV), detecting the amount of polynucleotide hybridising to (IV) and comparing the amount of polynucleotide hybridising to (IV) and comparing the amount to patient, where the amount of polynucleotide hybridising to (IV) is detected preferably by polymerase chain reaction (PCR). (I) comprising (III) and/or (II) is useful for stimulating and/or expanding T cells specific for an ovarian tumour protein comprising contacting T cells with (III) or (II). (III) is useful in design and preparation of ribozyme molecules for inhibiting expression of the tumour polypeptides and proteins in tumour cells; and to isolate a full length gene from a solitable library e.g., a tumour CDNA library using well known
                                                                                                                                                                            WO200192581-A2
                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                       Human ovarian cancer related cDNA clone SEQ ID NO:4251.
                                                                                                                                                                                                                                                                                                                                                                                                             ABL81273 standard; cDNA; 430 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1019 GGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGGGGCTGTCGGTGGTGGAGTGCGCATG 1078
                                                                                                                                                                                                                                                                                                                                                                                ABL81273;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1079 TACGC 1083
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 381 BP; 85 A; 101 C; 122 G; 73 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention describes a composition (I) comprising: carriers and immunostimulants; and a polypeptide (II) of a ovarian tumour polypeptide encoded by a polynucleotide (III) having a cDNA sequence (S1) from the 10912 nucleotide sequences as given in ABL77023 to ABL87934, (III) encoding (II) having a sequence (S2), a T cell population of (II), or antigen presenting cells that express (II). In the cytostatic activity. An oligonucleotide (IV) that hybridises to (II) has cytostatic activity. An oligonucleotide (IV) that hybridises to (II) has cytostatic activity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               236 TACGC 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       176 GGACGCGAAGAGCAACGGGGGGCGCTGCACAAAGCGGGGGGCGCTGTCGGTGGAGTGCGCATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 1; SEQ ID 7826; 489pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; P:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7.7%; Score 125; DB 24; Length 381; 100.0%; Pred. No. 1.4e-40;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         235
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The present invention describes a composition (I) comprising: carriers CC and immunostimulants; and a polypeptide (II) of a ovarian tumour CC polypeptide encoded by a polynucleotide (III) having a cDNA sequence CC (S1) from the 10912 nucleotide sequences as given in ABL79023 to CC (ABL89934, (III) encoding (II) having a sequence (S2), a T cell CC (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to CC (S1) can be used for detecting ovarian cancer in a patient's biological CC sample preferably serum or ovarian tissue. The method comprises CC contacting a biological sample from a patient with (IV), detecting the CC contacting a biological sample from a patient with (IV), detecting the CC contacting a biological sample from a patient with (IV), detecting the CC apredetermined cutoff value and thereby detecting ovarian cancer in the CC extent, where the amount of polynucleotide hybridising to (IV) is CC detected preferably by polymerase chain reaction (PCR). (I) comprising CC (III) and/or (II) is useful for stimulating and/or expanding T cells condition of CC and proteins of an ovarian tumour protein comprising contacting T cells conditions of the tumour polypeptides and proteins in tumour cells; and to isolate a full length gene from a contaction in the conditions of the tumour polypeptides and the polymerace contacting and conditions of the tumour polypeptides and the conditions of the tumour polypeptides and proteins in tumour cells; and to isolate a full length gene from a contaction conditions.
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Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     polypeptide
                                                                           14-NOV-2000;
03-APR-2001;
02-OCT-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1478 CAATTTTTCAGTGTTGGACTTGACAGCTTCTTTT 1511
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1418 GAATAAAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTAC 1477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 390 BP; 121 A; 82 C; 99 G; 86 T; 2 other;
                                                                                                                                                                                                                                                                                                                           cytostatic; gene;
                                                                                                                                                                                                                                                                                                                                                                                   Human ovarian carcinoma associated coding sequence SEQ ID NO: 213
                                                                                                                                                                                                                                                                                                                                                                                                                                05-SEP-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABT03283 standard; cDNA; 480 BP.
                                                                                                                                                                                                                                           WO200239885-A2
                                                                                                                                                                                                                                                                                                                                              Human; ovarian cancer; ovarian carcinoma; gene therapy; immunotherapy;
Хu J,
                                                                                                                                                                                                     23-MAY-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          147 AGACACGAGCAGGAGAGAGAGAGAAAAGAAAAACACAGCATGAGAACACAGTAAAT 206
                                    (CORI-) CORIXA CORP.
                                                                                                                                                          13-NOV-2001; 2001WO-US45395.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CAATTTTTCAGTGTTGGACTTGACAGCTTCTTTT 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           154;
Stolk JA, Algate PA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                           ; 2000US-0713550.
; 2001US-0825294.
; 2001US-0970966.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9.5%; Score 154; DB 24; Length 390; 100.0%; Pred. No. 3.1e-52;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
Fling SP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
  Molesh DA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
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RESULT 35
ABL40351
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Matches 196;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               pharmaceutical compositions, e.g. vaccines, for treating ovarian cancer
                                               (XUJJ/) XU J.
(STOL/) STOLK J A.
(ALGA/) ALGATE P A.
(FLIN/) FLING S P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 2; Page 196; 197pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2002-500186/53.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 480 BP; 86 A; 154 C; 153 G; 87 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               of the invention.
                                                                                                                         01-MAY-2000;
15-AUG-2000;
07-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                                                                               ABL40351 standard; cDNA; 480 BP.
                                                                                                                                                                                                                                                                                                                                   Ovarian carcinoma BE336607 nucleotide sequence.
                                                                                                                                                                                                                                                                                                        Ovarian cancer; cancer therapy; vaccine; gene therapy; tumour; cancer;
                                                                                                                                                                                                                                                                                                                                                             28-JUN-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  280
                                                                                                                                                                                            03-APR-2001; 2001US-0825294.
                                                                                                                                                                                                                                             US2002004491-A1
                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             400 GGTGAACGTTCAAGACATGTGTGAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               340 GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC
WPI; 2002-171027/22
                        Xu J, Stolk JA, Algate PA,
                                                                                                               14-NOV-2000;
                                                                                                                                                                 10-SEP-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            460 CCGCAAGTCCTGTGCAT 476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    181 CCGCAAGTCCTGTGCAT 197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       61 GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                               2000US-0640173.
2000US-0656668.
2000US-0713550.
                                                                                                                                                    2000US-0561778
                                                                                                                                                                  99US-0394374
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 146; DB 2
Pred. No. 5e-49;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 24; Length 480;
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Best Local
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                               Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing polypeptide -
                                                                                                               WPI; 2002-122075/16.
                            polypeptide
                                                                                                                                               Algate PA, Harlocker SL,
                                                                                                                                                                                  (CORI-) CORIXA CORP.
                                                                                                                                                                                                                26-MAY-2000; 2000US-207484P
                                                                                                                                                                                                                                                29-MAY-2001; 2001WO-US17756.
                                                                                                                                                                                                                                                                                     06-DEC-2001
                                                                                                                                                                                                                                                                                                                                                                            Human; ovarian cancer; ovarian tumour; cytostatic; gene; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                17-MAY-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABL85916 standard; cDNA; 201 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  presence of similar nucleic acid sequences in samples. They may also be used to study the expression and function of secretory proteins/membrane polypeptides and their role in metabolism. The polypeptides may be used as antigens in the production of antibodies against them and in assays to identify modulators (agonists and antagonists) of expression and activity. The antibodies and antagonists may also be used as therapeutic agents to down regulate expression and activity. The antibodies may also be used as diagnostic agents for detecting the presence of the polypeptides in samples (e.g. by enzyme linked immunosorbant assay (ELISA). Examples of diseases which may be treated include rheumatoid
                                                                                                                                                                                                                                                                                                                   WO200192581-A2
                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                               Human ovarian cancer related cDNA clone SEQ ID NO:8894.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 591 BP; 108 A; 198 C; 173 G; 109 T; 3 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            534
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                arthritis and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            241
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   294 GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   61 GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CTGCTCCCCA 543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CTGCTCCCCA 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CCGCAAGTCCTGTGCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15.4%; Score 250; DB 22
100.0%; Pred. No. 8e-91;
tive 0; Mismatches
                                                                                                                                               Jones R;
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Claim 1; SEQ ID 8894; 489pp; English

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention describes a composition (I) comprising: carriers CC and immunostimulants; and a polypeptide (II) of a ovarian tumour CC polypeptide encoded by a polynucleotide (III) having a cDNA sequence CC (S1) from the 10912 nucleotide sequences as given in ABL77023 to CC population of (II), or antigen presenting cells that express (II). CC (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to CC (S1) can be used for detecting ovarian cancer in a patient's biological CC sample preferably serum or ovarian tissue. The method comprises CC contacting a biological sample from a patient with (IV), detecting the CC amount of polynucleotide hybridising to (IV) and comparing the amount to patient, where the amount of polynucleotide hybridising to (IV) is CC detected preferably by polymerase chain reaction (PCR), (I) comprising CC (III) and/or (II) is useful for stimulating and/or expanding T cells Specific for an ovarian tumour protein comprising contacting T cells (III) or (III) is useful in design and preparation of CC and proteins in tumour cells; and to isolate a full length gene from a contact of the polymerary can a tumour polymerary count interact of the count of the cumour polypeptides contacting in the contact of the count of the count of the cumour cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing
                                                                               WPI; 2002-122075/16.
                                                                                                                        Algate PA,
                                                                                                                                                                                            26-MAY-2000; 2000US-207484P
                                                                                                                                                                                                                                 29-MAY-2001; 2001WO-US17756
                                                                                                                                                                                                                                                                                                           WO200192581-A2
                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                           Human; ovarian cancer; ovarian tumour; cytostatic; gene;
                                                                                                                                                                                                                                                                                                                                                                                                              Human ovarian cancer related cDNA clone SEQ ID NO:1532.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1223 AGAAGGGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTT 1282
                                                                                                                                                           (CORI-) CORIXA CORP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABL78554;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABL78554 standard; cDNA; 390 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1283 TGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAA 1342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 201 BP; 28 A; 61 C; 46 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   181 AGAAGGGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTT 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               techniques.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       suitable library e.g., a tumour cDNA library using well known
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ocal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAA 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      166;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                      Harlocker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10.3%;
                                                                                                                    SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0
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TCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTG 497 TCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTG 270

211

밁 õ

498 CATCAGCTGCTGCAACACCCCTCTTTGTAAC 528

CATCAGCTGCTACACCCCCTCTTTGTAAC 301

ABL81

ABL81262 standard; cDNA; 409 BP

17-MAY-2002 (first entry)

Human; ovarian cancer; ovarian tumour; cytostatic; gene; Human ovarian cancer related cDNA clone SEQ ID NO:4240.

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cc and immunostimulants; and a polypeptide (II) of a ovarian tumour cc polypeptide encoded by a polypucleotide (III) having a cDNA sequence (C (S1) from the 10912 nucleotide sequences as given in ABL77023 to CC ABL87934, (III) encoding (II) having a sequence (S2), a T cell CC (S1) has cytostatic activity. An oligonucleotide (IV) that hybridises to CC (S1) can be used for detecting ovarian cancer in a patient's biological CC sample preferably serum or ovarian tissue. The method comprises to CC contacting a biological sample from a patient with (IV), detecting the CC contacting a biological sample from a patient with (IV), detecting the CC a predetermined cutoff value and thereby detecting ovarian cancer in the CC attention, where the amount of polynucleotide hybridising to (IV) and comparing the amount to CC elistic the amount of polynucleotide hybridising to (IV) is certain and/or (II) is useful for stimulating and/or expanding T cells with (III) or (III) is useful in design and preparation of CC with (III) or (III) is useful in design and preparation of criboxyme molecules for inhibiting expression of the tumour polypeptides and proteins in tumour cells; and to isolate a full length gene from a suitable library e.g., a tumour cDNA library using well known
  Matches
                  Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 1; SEQ ID 4240; 489pp; English.
                                                                         Sequence 409 BP; 89 A; 106 C; 87 G; 127 T; 0 other;
                                                                                                               techniques.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                present invention describes a composition (I) comprising: carriers
  314;
                      Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Harlocker SL,
Conservative
                    16.3%; Score 264; DB 2
99.7%; Pred. No. 2e-96;
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  0
    Mismatches
                                        DB 24; Length 409;
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1285 GCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACA 1344

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1405 GAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCTTACTGGC 1464
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1345 ATCAGCCCTGGGCAGACACGAGCAGGAGAGAGAGAGAAAAGAAAACACAGCATGA 1404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  which encode human secretory or membrane proteins represented by AAB88317 - AAB88419. Included in the invention are primers AAF94295 and AAF62232 - AAF62235 which are used to isolate the AAF93917 - AAF94295 and AAF62232 - AAF62235 which are used to isolate the cloud sequences of the invention. The invention also includes methods for the production of antibodies directed against the proteins, and cDNA sequences, which can be used in vaccines. The polynucleotide sequences can be used in gene therapy. The polynucleotide sequences and the proteins they encode may be used in the prevention, treatment and diagnosis of diseases associated with inappropriate secretory protein/membrane protein expression. The nucleic acids and complementary sequences may also be used as DNA probes in diagnostic assays (e.g. polymerase chain reactions (PCR)) to detect and quantitate the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; secretory protein; membrane protein; vaccine; gene therapy;
rheumatoid arthritis; diabetes; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAF94044 standard; DNA; 591 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Primer specific for DNA encoding secretory/membrane protein SEQ ID
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                                                                                                                                                                                                                                                                   Nucleic acids encoding secretory proteins/membrane proteins, useful in gene therapy or as candidate target molecules in drug development -
                                                                                                                                                                                                                                                                                                                                                                                                                                     08-JUL-1999;
11-JAN-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    07-JUL-2000; 2000EP-0114090.
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                                                                                                                                                                                                  This invention relates to nucleic acid sequences AAF93744 - AAF93916
                                                                                                                                                                                                                                       Claim 4; SEQ ID 478; 609pp + CD ROM; English.
                                                                                                                                                                                                                                                                                                                     WPI; 2001-093989/11.
                                                                                                                                                                                                                                                                                                                                                                                      (HELI-) HELIX RES INST.
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                                                                                                                                                                                                                                                                                                                                                                                                                   ; 99JP-0194179.
; 2000JP-0118775.
; 2000JP-0183766.
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                                                                                                                                                                                                                                                                                                                                                        Kawai Y, Sugiyama T,
                                                                                                                                                                                                                                                                                                                                                          Hayashi K;
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ABT03282

ID ABT0
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                       ABL40350 standard; cDNA; 1010 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 1010 BP; 266 A; 344 C; 254 G; 146 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 2; Page 195; 197pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian cancer
                                                                                                                                  498 CATCAGCTGCTGCAACACCCCTCTTTGTAAC 528
                                                                                                                                                            271 CATCAGCTGCTGCAACACCCCTCTTTGTAAC 301
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03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
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                                                                                                                                                                                                                                                                                                                                                                                                                      318
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13-NOV-2001; 2001WO-US45395
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human ovarian carcinoma associated coding sequence SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       05-SEP-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              258
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       31 AGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTG 90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                               TCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTG 270
                                                                                                                                                                                                                                                                                                                                      AGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTG 210
                                                                                                                                                                                                                                                                                                                                                                                                      CTCCTCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGA 377
                                                                                                                                                                                                                                                                                                                                                                                                                                              CTCCTCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGA 150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTG 317
                                                                                                                                                                                                                       TCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTG
                                                                                                                                                                                                                                                                                                            AGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTG 437
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16.7%; Score 271; 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0,
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                             Sequence 1010 BP; 266 A; 344 C; 254 G; 146 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or
                       151 AGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTG
                                                                                                                                                                                                                                                                                                                                                                                                                      sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to ovarian tumour polynucleotides and polypeptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim la; Page 126-127; 131pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer
                                                                                                                                                                            WPI; 2002-171027/22.
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15-AUG-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (STOL/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ovarian carcinoma BF345141 nucleotide sequence.
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                                                                                                                                  CTCCTCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGA 150
AGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTG
                                                                                       271;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Stolk JA, Algate PA,
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2000US-0640173.
2000US-0656668.
2000US-0713550.
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                                                                                                                                                                                                                                                                      16.7%; Score 271; DB 24; 100.0%; Pred. No. 2.7e-99; tive 0; Mismatches 0;
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Matches 310;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the
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                                                                                                                                                                                                                                                                                                                                                                                                                                ABL79431 standard; cDNA; 349 BP
                           WO200192581-A2
                                                                                                                                                                Human; ovarian cancer; ovarian tumour; cytostatic; gene;
                                                                                                                                                                                                                            Human ovarian cancer related cDNA clone SEQ ID NO:2409
                                                                                                                                                                                                                                                                                              17-MAY-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                 ABL79431;
                                                                                              Homo sapiens.
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The present invention describes a composition (I) comprising: carriers cc and immunostimulants; and a polypeptide (II) having a cDNA sequence (C (S1) from the 10912 nucleotide sequences as given in ABL77023 to ABL87934, (III) encoding (II) having a sequence (S2), a T cell (C (S1) from the 10912 nucleotide sequences as given in ABL77023 to C (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to (I) can be used for detecting ovarian cancer in a patient's biological sample preferably serum or ovarian tissue. The method comprises (C sample preferably serum or ovarian tissue. The method comprises (C a predetermined cutoff value and thereby detecting ovarian cancer in the cc a predetermined cutoff value and thereby detecting ovarian cancer in the cc patient, where the amount of polynucleotide hybridising to (IV) and comparing the amount of polynucleotide preferably by polymerase chain reaction (PCR). (I) comprising (III) and/or (II) is useful for stanulating and/or expanding T cells specific for an ovarian tumour protein comprising contacting T cells (C with (III) or (II). (III) is useful in design and preparation of c ribozyme molecules for inhibiting expression of the tumour polypeptides and proteins in tumour cells; and to isolate a full length gene from a contaction of the tumour polypeptides and proteins in tumour cells; and to isolate a full length gene from a contaction of the tumour polypeptides and proteins in tumour cells; and to isolate a full length gene from a contaction of the tumour polypeptides and proteins in tumour cells; and to isolate a full length gene from a contaction of the tumour polypeptides and proteins in tumour cells; and to isolate a full length gene from a contaction of the tumour polypeptides and proteins in tumour cells; and to isolate a full length gene from a contaction of the tumour polypeptides and proteins in tumour cells; and to isolate a full length gene from a contaction of the tumour polypeptides and proteins in tumour cells; and to isolate a full length gen
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 1; SEQ ID 2409; 489pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 349 BP; 79 A; 84 C; 78 G; 108 T; 0 other;
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                                                                                                                         1592 GACAGTG 1598
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                                                                                                                                                                                               10 GACAGTG 4
                                                                                                                                                                                                                                                                                             GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA 1471
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RESULT 28

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Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian cancer
                                                                  WPI; 2002-500186/53
                                                                                                                                                      14-NOV-2000; 2000US-0713550
03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966;
                                                                                                 Хu J,
                                                                                                                           (CORI-) CORIXA CORP
                                                                                                                                                                                                                                                                                                                                   Human; ovarian cancer; ovarian carcinoma; gene therapy; immunotherapy;
                                                                                                                                                                                                                                                                                                                                                                 Human ovarian carcinoma associated coding sequence SEQ ID NO: 9.
                                                                                                                                                                                                             13-NOV-2001; 2001WO-US45395
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                                                                                                                                                                                                                                                                        WO200239885-A2
                                                                                                                                                                                                                                                                                                   Homo sapiens.
                                                                                                                                                                                                                                                                                                                                cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                 05-SEP-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABT03085 standard; cDNA; 396 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention provides a number of coding sequences and proteins, the over-expression of which is associated with ovarian carcinoma/cancer. These can be used in the diagnosis, treatment and prevention of ovarian cancer, optionally by gene therapy or in the form of a vaccine. The present sequence is an example of one of these sequences.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 5; Page 119; 189pp; English.
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                                                                                            Stolk JA,
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                                                                                              Algate PA,
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                        (XUJJ/) XU J.
(STOL/) STOLK J A.
(ALGA/) ALGATE P A.
(FLIN/) FLING S P.
                                                                                                   01-MAY-2000;
15-AUG-2000;
07-SEP-2000;
   Xu J,
                                                                                         14-NOV-2000;
                                                                                                                                         10-SEP-1999;
                                                                                                                                                               03-APR-2001; 2001US-0825294.
                                                                                                                                                                                                                                                                       Ovarian cancer; cancer therapy; vaccine; gene therapy; tumour; cancer;
                                                                                                                                                                                           10-JAN-2002
                                                                                                                                                                                                                 US2002004491-A1
                                                                                                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                                                  Ovarian carcinoma sequence isolate 21920.
                                                                                                                                                                                                                                                                                                                           18-JUN-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                          ABL48768 standard; cDNA; 396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 396 BP; 90 A; 117 C; 95 G; 92 T; 2 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCTGCAACACCCCTCTTTGTAA
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 Stolk JA,
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                                                                                      2000US-0561778.
2000US-0640173.
2000US-065668.
2000US-0713550.
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                                                                                                                                         99US-0394374
 Algate PA,
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 Mismatches

Fling SP;
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ID ABL785
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and immunostimulants; and a polypeptide (II) of a ovarian tumour polypeptide (III) having a cDNA sequence (S1) from the 10912 nucleotide sequences as given in ABL77023 to ABL87934, (III) encoding (II) having a sequence (S2), a T cell population of (II), or antigen presenting cells that express (II). (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to (S1) can be used for detecting ovarian cancer in a patient's biological sample preferably serum or ovarian tissue. The method comprises contacting a biological sample from a patient with (IV), detecting the amount of polynucleotide hybridising to (IV) and comparing the amount of polynucleotide hybridising to (IV) and comparing the patient, where the amount of polynucleotide hybridising to (IV) comprising detected preferably by polymerase chain reaction (PCR). (I) comprising (III) and/or (II) is useful for stimulating and/or expanding T cells
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABL78538 standard; cDNA; 373
                                                                                                                                                                                                                                                                                                                                    Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human ovarian cancer related cDNA clone SEQ ID NO:1516
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                                                                                                                                                                                                                                                                                     Claim 1; SEQ ID 1516; 489pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                              Algate PA, Harlocker SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-MAY-2001; 2001WO-US17756
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   330
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (CORI-) CORIXA CORP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   90
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                                                                                                                                                                                                                                                  present invention describes a composition (I) comprising: carriers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CTGCCTCGGCCCTCA 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CTGCCTCGGCCCTCA 344
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                                                         cancer in the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1345
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                                                                                                                                                                                                                                                                                   10-SEP-1999;
01-MAY-2000;
15-AUG-2000;
07-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1465
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human ovarian cancer associated coding sequence SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23-MAY-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAF94818 standard; cDNA; 396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human, ovarian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  135
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        315 GCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACA 256
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200118046-A2
                                                Isolated polypeptides associated with ovarian carcinomas, nucleic acids that encode them, useful for the prevention
                                                                                                                              WPI; 2001-211395/21.
                                                                                                                                                                                                                                                                                                                                                                                                               08-SEP-2000; 2000WO-US24827
                          treatment of ovarian cancers -
                                                                                                                                                                                                                             (CORI-) CORIXA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TGCTTTAGACAGTGT 1599
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGC
                                                                                                                                                                                  Stolk JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                   ; 99US-0394374.
; 2000US-0561778.
; 2000US-0640173.
; 2000US-0656668.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cancer; vaccine; gene therapy; carcinoma; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19.5%;
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6.6e-117;
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                                                        diagnosis and
                                                                                      and the
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                                                                                                                                                                                                                                                   Matches 315;
                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                           The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence
                                                                                                                                                                                                                                                                                            Sequence 369 BP; 82 A; 109 C; 90 G; 86 T; 2 other;
                                                                                                                                                                                                                                                                                                                                                                                                               Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian cancer
of the invention.
                                                                                                                                                                                                                                                                                                                                                                               Example 1; Page 187; 197pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-NOV-2000; 2000US-0713550
03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; ovarian cancer; ovarian carcinoma; gene therapy; immunotherapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human ovarian carcinoma associated coding sequence SEQ ID NO: 199.
                                                      210
                                                                                                       150
                                                                                                                              150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Xu J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  23-MAY-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cytostatic; gene;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13-NOV-2001; 2001WO-US45395
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                                                                                                                                                                             90
                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               330
                                               GTCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTT 269
                                                                                                                                                          GCTCCTCCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAG 149
                                                                                              AAGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCT 209
                                                                                                             AAGTGATGAAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCT 209
                                                                                                                                             GCTCCTCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAG 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CTGCCTCGGCCCTCA 344
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Stolk JA, Algate PA,
                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                      19.5%; Score 315; DB 24; Length 369; 100.0%; Pred. No. 6.6e-117;
                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Fling SP,
                                                                                                                                                                                                                                               Mismatches
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                                                                                                                                                                                                                                             Gaps
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QΥ

30 CAGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACT 89

Matches

315;

Conservative

19.5%; Score 315; DB 24; Length 369; 100.0%; Pred. No. 6.6e-117;

Mismatches

0;

Indels

0;

0

Query Match
Best Local Similarity

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that may be utilised in cancer therapy. For sample in a vaccine or conservation of the invention are gene therapy. Polypeptides and polynucleotides of the invention are cuseful for detecting a cancer in a patient, for stimulating and/or cexpanding T-cells specific for a tumour protein, and for inhibiting the convergence of a cancer in a patient. They are also useful for convergence of a cancer in a patient. They are also useful for the stimulating an immune response in a patient, and for treating a cancer in convergence of a cancer in a patient. They are also useful for their convergence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their confidence of the entire desired gene or gene fragments, and for designing and convergence of the entire desired gene or gene fragments, and for designing and convergence of the entire desired gene or gene fragments, and for designing and convergence of the entire desired gene or gene fragments, and for designing and convergence of the entire desired gene or gene fragments, and for designing and convergence of the entire desired gene or gene fragments. The sequences convergence of the entire desired gene or gene fragments and polynucleotides of the convergence of the entire desired gene or gene fragments. The sequences convergence of the entire desired gene or gene fragments and polynucleotides of the convergence of the entire desired gene or gene fragments. The sequences convergence of the entire desired gene or gene fragments and polynucleotides of the convergence of the entire desired gene or gene fragments. The sequences convergence of the entire desired gene or gene fragments and polynucleotides of the entire desired gene or gene fragments.
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Sequence 369 BP; 82 A; 109 C; 90 G; 86 T; 2 other;
                                                   ovarian carcinoma proteins.
                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to ovarian tumour polynucleotides and polypeptides that may be utilised in cancer therapy, for example in a vaccine or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim la; Page 116; 131pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2002-171027/22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (XUJJ/) XU J. (STOLK)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14-NOV-2000;
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07-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-MAY-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         03-APR-2001; 2001US-0825294.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ovarian cancer; cancer therapy; vaccine; gene therapy; tumour; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10-JAN-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ovarian carcinoma sequence isolate 57887.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18-JUN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABL48956;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABL48956 standard; cDNA; 369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              330 CTGCCTCGGCCCTCA 344
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ) STOLK J A.
) ALGATE P A.
) FLING S P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Stolk JA, Algate PA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2000US-0640173.
2000US-0656668.
2000US-0713550.
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2000US-0561778
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AAH50766/c

ID AAH50766 standard; cDNA; 444 BF
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AC AAH50766;

XX

DT 23-AUG-2001 (first entry)

XX

PT 23-AUG-2001 (first entry)

XX

Human tumour associated cDNA #5

XX

Human tanour associated cDNA #5

XX

Homo sapiens.

XX

WO200136685-A2.

XX

PN

WO200136685-A2.

XX

PN

25-MAY-2001.

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PN

17-NOV-1999; 99US-0166056.

PR

17-NOV-1999; 99US-0166106.

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17-NOV-1999; 99US-0166106.

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NOVEL NOSKAL JR, YAMAMOLY

PT

XX

NOVEL nucleic acid molecules d

PT

USEful for ascertaining propen

ASSOCIALM 28; Page 50; 82pp; Engli

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Claim 28; Page 50; 82pp; Engli

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CC patient. They can be used to d

CC cancers, particularly brain ca

CC patient. They can be used to d

CC cancers, particularly brain ca

CC patient. Sequence is a cancer-a

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Sequence 444 BP; 95 A; 113 C;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention provides the sequences of 184 cDNA fragments which are differentially expressed in cancer cell depending on the age of the patient. They can be used to disapose and identify treatments for cancers, particularly brain cancers such as haemangioblastoma, teratoma, haemangioma, glioblastoma, schwannoma, osteoma and pinealoma. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1196 CCGAGCTGAGGTAGAAAAACCTCTCCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGT 1255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel nucleic acid molecules differentially expressed in brain cancers, useful for ascertaining propensity of cell for malignant phenotype or ascertaining suitability of anti-neoplastic drug candidate -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (NYXI-) NYXIS NEURO THERAPIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 444 BP; 95 A; 113 C; 94 G; 142 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  present sequence is a cancer-associated cDNA of the invention.
                                                        131
                                                                                                                                                                                                                                               251
                                                                                                                                                                                                                                                                                                                                                                                                                                         371 AGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGG 312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        431 CCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGT 372
                                                                                                                                                   191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGG 1315
                                                                                                                                                                                                                                                                                                GCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGGA 1375
     CTTGACAGCTTCTTTTGCCACAAGCAAGAGAAATTTAACACTGTTTCAAACCCGGGGGA 1555
                                                                                                                                                                                                                                                  GCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGGA 252
                                                        CTTGACAGCTTCTTTTGCCACAAGCAAGAGAGAGATTTAACACTGTTTCAAACCCGGGGGA
                                                                                                                                                                        TTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGA 1495
                                                                                                                                                   TTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGA 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Page 50; 82pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
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Pred. No. 1.3e-136;
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01-MAY-2000;
15-AUG-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      08-SEP-2000; 2000WO-US24827
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23-MAY-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAF95007
                                                                                                                                                                                                                                                                                                                                                                                  The present invention provides a number of coding sequences and proteins, the over-expression of which is associated with ovarian carcinoma/cancer. These can be used in the diagnosis, treatment and prevention of ovarian cancer, optionally by gene therapy or in the form of a vaccine. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 07-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-MAR-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Isolated polypeptides associated with ovarian carcinomas, and the nucleic acids that encode them, useful for the prevention diagnosis and treatment of ovarian cancers - \,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-211395/21
                                                                                                                                                                                                                                                                                                                                           Sequence 369 BP; 82 A; 109 C; 90 G; 86 T; 2 other;
                                                                                                                                                                                                                                                                                                                                                                      present sequence is an example of one of these sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 18; Page 189; 189pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (CORI-) CORIXA CORP
 270
                                                                                    210
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                                                                                                                                          150 AAGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCT
                                                                                                                                                                       90 GCTCCTCCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAG
                                                                                                                                                                                       90 GCTCCTCCCCCGAGTTCATTGTGAATTGCACGGTGAAACGTTCAAGACATGTGTCAGAAAG
                                                                                                                                                                                                                             30 CAGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACT
                                                                                                                                                                                                                                            30 CAGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACT
                                                                                                                                                                                                                                                                                                    Local
                                                                     GTCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTT
 GCATCAGCTGCTACCACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTT
                                                                                                               GCATCAGCTGCTAACACCCCCTCTTTGTAACGGGCCCAAGAAAAAGGGGAAGTT
                                                         GTCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTT
                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; 99US-0394374.
; 2000US-0561778.
; 2000US-0640173.
; 2000US-0656668.
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                                                                                                                                                                                                                                                                                                  19.5%; Score 315; DB 22; 100.0%; Pred. No. 6.6e-117;
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Best Local
   08-JUL-1999;
11-JAN-2000;
02-MAY-2000;
                                                          07-JUL-2000;
                                                                                        10-JAN-2001
                                                                                                                    EP1067182-A2
                                                                                                                                                                                                              Primer specific for DNA encoding secretory/membrane protein SEQ
                                                                                                                                                                      Human; secretory protein; membrane protein; vaccine; gene therapy; rheumatoid arthritis; diabetes; PCR primer; ss.
                                                                                                                                                                                                                                                      23-MAY-2001
                                                                                                                                                                                                                                                                                                          AAF94186 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      1265 TCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGC
                                                                                                                                                                                                                                                                                                                                                                                              1325 ATACGGCCAATGTCACAACAATCAGCC 1351
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             preparing ribozyme molecules for inhibiting expression of tumour polypeptides in tumour cells. Polypeptides and polypucleotides of the invention are also useful in recombinant DNA molecules to direct expression of a polypeptide in appropriate host cells. The current sequence represents the ovarian carcinoma GPR39 cDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1362 TCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGA 1303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 1362 BP; 263 A; 435 C; 362 G; 302 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                       883
                                                                                                                                                                                                                                                                                                                                                                                                                                              943
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 845 TCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCCTGA 904
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                 ATACGGCCAATGTCACAACAATCAGCC 857
                                                                                                                                                                                                                                                                                                                                                                                                                                     TCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCAGCACCACCACCTTGCACGA 1144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCG
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2000JP-0118775.
2000JP-0183766.
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                                                          2000EP-0114090
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                                                                                                                                                                                                                                                                                                            587
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Pred. No. 1.7e-145;
0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CC cDNA sequences of the invention. The invention also includes methods for CC the production of antibodies directed against the proteins, and cDNA CS sequences, which can be used in vaccines. The polynucleotide sequences can be used in gene therapy. The polynucleotide sequences and the CC diagnosis of diseases associated with inappropriate secretory proteins they encode may be used in the prevention, treatment and CC diagnosis of diseases associated with inappropriate secretory cCC sequences may also be used as DNA probes in diagnostic assays (e.g. polymerase chain reactions (PCR)) to detect and quantitate the CC presence of similar nucleic acid sequences in samples. They may also be used to study the expression and function of secretory proteins/membrane CC used to study the expression and function of secretory proteins/membrane CC used to study the production of antibodies against them and in assays to CC dentify modulators (agonists and antagonists) of expression and activity. The antibodies may also be used as diagnostic agents for detecting the presence of the CC agents to down regulate expression and activity. The antibodies may also be used as diagnostic agents for detecting the presence of the CC Los and Alphates and antagonists may also be used as diagnostic agents for detecting the presence of the CC Los and Alphates and antagonists may also be used as diagnostic agents for detecting the presence of the CC arthritic and Alphates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches 416;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                 1543 CAAACCCGGGGGAGTTGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT 1599
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1243
                                                                                                       1183 AGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATG 1242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 587 BP; 117 A; 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        arthritis and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           which encode human secretory or membrane proteins represented by AAB88317 - AAB88419. Included in the invention are primers AAF93917 - AAF94295 and AAF62232 - AAF62235 which are used to isolate the
                                                                                                                                                                               177
                                                                                                                                                                                                                                                                                                                                                     297
                                                                                                                                                                                                                                                                                                                                                                                                                                           357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 417 AGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 5; SEQ ID 620; 609pp + CD ROM; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Nucleic acids encoding secretory proteins/membrane proteins, useful gene therapy or as candidate target molecules in drug development -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This invention relates to nucleic acid sequences AAF93744 - AAF93916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-093989/11.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local
                                                                                                                                                                                            AAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATT 1482
                                                                                                                                                                                                                                                                                                                                                                                                                                                        TACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTC
CAAACCCGGGGGAGTTGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT
                                                                                   AAACCATAAAATATTAGCCCCTCTGTTCTGTGCTTACTGGCAGGAAATGGTACCAATT
                                                                                                                                                                                                                                                     CGAGCAGGAGGAGAGACAGAGAAAAGAAAACACAGCATGAGAACACAGTAAATGAATA 1422
                                                                                                                                                                                                                                                                                                                                            CGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACA
                                                                                                                                                                                                                                                                                                                                                                 CGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACA 1362
                                                                                                                                                                                                                                                                                                                                                                                                                                TACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Nishikawa T,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 366; DB 22
Pred. No. 2e-137;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kawai Y, Sugiyama T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 22; Length 587;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           other;
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RESULT 16
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03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human ovarian carcinoma associated coding sequence SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  05-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABT03279;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABT03279 standard; cDNA; 1362
                                                                                                                                                                                                                              The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200239885-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; ovarian cancer;
                                                                                                                                                                               1302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13-NOV-2001; 2001WO-US45395
 1145
                         1122
                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 2; Page 193; 197pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              pharmaceutical compositions, e.g. vaccines, for treating ovarian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Xu J,
                                                                                                                            1242
                                                                                                                                                                                                                                                                                                                                  Sequence 1362 BP; 263 A; 435 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (CORI-) CORIXA CORP.
                                                                                                                                                      965
                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                          the invention.
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                                                                                                                                          CTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCCGGGACGC 1024
                         CAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGCGCACAGCACACCACCTGCACGA
                                                GAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCG 1084
                                                                                                                            CTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGC
                                                                                                                                                                               GTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCT
                                                                                                                                                                                                      GTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCT 964
ACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGA 1204
                                                                           GAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Stolk JA, Algate
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                                                                                                                                                                                                                                                                                  Conservative
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                                                                                                                                                                                                                                                                                              23.8%;
99.8%;
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                                                                                                                                                                                                                                                                                              Score 386; DB 24;
Pred. No. 1.7e-145;
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                                                                                                                                                                                                                                                                                                                                      362 G;
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                                                                                                                                                                                                                                                                                                                                    302 T; 0 other;
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                                                                             1123
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RESULT 17
ABL4031/C
ID ABL403
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01-MAY-2000;
15-AUG-2000;
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The invention relates to ovarian tumour polynucleotides and polypeptides that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the development of a cancer in a patient. They are also useful for stimulating an immune response in a patient, and for treating a cancer in a patient, and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their ability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABL40347;
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(STOL/)
(ALGA/)
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                                                                                                                                                                                                                                                                                                                                                      Claim 1a; Page 123-124; 131pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                 Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               P-PSDB; ABB09416.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (FLIN/)
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) STOLK J A.
) ALGATE P A.
) FLING S P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cancer;
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2000US-0656668
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1..1362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /product= "Ovarian carcinoma protein GPR39"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /*tag=
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Claim 1; SEQ ID 10876; 489pp; English.

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RESULT 15
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         Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing polypeptide
                                                                WPI; 2002-122075/16.
                                                                                        Algate PA, Harlocker
                                                                                                               (CORI-) CORIXA CORP
                                                                                                                                      26-MAY-2000; 2000US-207484P
                                                                                                                                                            29-MAY-2001; 2001WO-US17756
                                                                                                                                                                                                          WO200192581-A2
                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                                                 Human; ovarian cancer; ovarian tumour; cytostatic; gene;
                                                                                                                                                                                                                                                                         Human ovarian cancer related DNA clone SEQ ID NO:10876
                                                                                                                                                                                                                                                                                                17-MAY-2002 (first entry)
                                                                                                                                                                                                                                                                                                                         ABL87898
                                                                                                                                                                                                                                                                                                                                            ABL87898 standard; DNA; 625
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CC population of [II] encoding [II] having a sequence (S2), a T cell
CC (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to
CC (S1) can be used for detecting ovarian cancer in a patient's biological
CC contacting a biological sample from a patient with (IV), detecting the
CC contacting a biological sample from a patient with (IV), detecting the
CC amount of polynucleotide hybridising to (IV) and comparing the amount to
CC a predetermined cutoff value and thereby detecting ovarian cancer in the
CC captient, where the amount of polynucleotide hybridising to (IV) is
CC detected preferably by polymerase chain reaction (PCR). (I) comprising
CC (III) and/or (II) is useful for stimulating and/or expanding T cells
CC syltable (III) or (II), (III) is useful in design and preparation of
CC ribozyme molecules for inhibiting expression of the tumour polypeptides
CC and proteins in tumour cells; and to isolate a full length gene from a
CC suitable library e.g., a tumour CDNA library using well known
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches 606;
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                                                                                                                                                                                                                                                                                                                               300
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                                 GACAGTG 1598
                                                                                                      GTAAATGAATAAAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCCTACTGGCCAGGAAA 1471
                                                                                                                                                                                                                                                                                                                                            CCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCC
                                                                   CCATGATCCTCCGAATCTGGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCC
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                                                                                                                                                                                                                                                                                                                                                                                               GGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAG
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Pred. No. 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14-NOV-2000; 2000US-0713550: 03-APR-2001; 2001US-0825294. 02-OCT-2001; 2001US-0970966:
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                                                                                                                                                                                                                                                                                                                                                                                                                            1052
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 625 BP; 182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim
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                                                                                                                                          1412
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1592 GACAGTG 1598
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                                                                                                                                                                                                             GGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTTGGCCGCAG 1291
                                                                                                                                                                                                                                                                                                                                                                                                      GGCGCTGTCGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTG
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                                                                                                                                                                                                                                                           CCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGA 1231
                                                                                                                                                                                                                                                                                                                                                        CAGCGACAGGCGGCAGCACAGCACC-TGCACGAACACCCGCCGAAACTGCTGCGAGGACA 179
                                                                                                                               GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCCTACTGGCCAGGAAA 1471
                                                                                                                                                                                       CTGGGCAGACACGAGCAGGAGGGAGAGACAGAGAAAAAGAAAAACACAGCATGAGAACACA 1411
                                                                                                                                                                 GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2; Page 194; 197pp; English.
                                                                     invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            99.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; 144 C; 182 G; 116 T; 1 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 486; DB 24;
Pred. No. 1.2e-185;
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1052 GCCGCTGTCGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTG 1111

Matches

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Conservative

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RESULT 14
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                                                                                                                                                                                                                                                     The invention relates to ovarian tumour polynucleotides and polypeptides and that may be utilised in cancer therapy, for example in a vaccine or cc gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the cc development of a cancer in a patient. They are also useful for estimulating an inmune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. Cc a patient and for determining the presence of a cancer in a patient. Cc The isolated polynucleotides of the invention are useful for their cability to selectively form duplax molecules with complementary stretches cof the entire desired gene or gene fragments, and for designing and cc preparing ribozyme molecules for inhibiting expression of tumour cc polypeptides in tumour cells. Polypeptides and polynucleotides of the invention are also useful in recombinant DNA molecules to direct conventor are also useful in recombinant DNA molecules. The current cc particles are also useful in appropriate and for designing and conventor are also useful in appropriate and polynucleotides of the current conventor are also as a polypeptide and appropriate folions mucleotide.
                                                            Query Match
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15-AUG-2000;
07-SEP-2000;
14-NOV-2000;
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(STOL/)
(ALGA/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      03-APR-2001; 2001US-0825294.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim la; Page 125; 131pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-SEP-1999;
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                                                                                                                                Sequence 625 BP; 182 A; 144 C; 182 G; 116 T; 1 other;
                                                                                                                                                                                                sequence.
                                                                                                                                                                                                                                    sequence represents the ovarian carcinoma 01034C EST clone nucleotide
                                Local
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STOLK J A.
ALGATE P A.
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                                Similarity
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2000US-0640173.
2000US-0656668.
2000US-0713550.
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                                30.0%;
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Score 486; DB 24;
Pred. No. 1.2e-185;
Pred. No. 1.2e-185;
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                                                                   Length 625;
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Matches 1594;
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Best Local (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (e.g. polymerase chain reactions (PCR)) to detect and quantitate the presence of similar nucleic acid sequences in samples. They may also be used to study the expression and function of secretory proteins/membrane polypeptides and their role in metabolism. The polypeptides may be used as antigens in the production of antibodies against them and in assays to identify modulators (agonists and antagonists) of expression and activity. The antibodies and antagonists may also be used as therapeutic agents to down regulate expression and activity. The antibodies may also be used as diagnostic agents for detecting the presence of the polypeptides in samples (e.g. by enzyme linked immunosorbant assay (ELISA). Examples of diseases which may be treated include rheumatoid
                            781
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                                                                          TTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGA
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ABT03280 ID ABT0 ABT03280 standard; cDNA;

05-SEP-2002 (first entry)

Human ovarian carcinoma associated coding sequence SEQ ID NO:

Human; ovarian cytostatic; ger gene; cancer; ovarian carcinoma; gene therapy; immunotherapy;

Homo sapiens.

WO200239885-A2

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11-JAN-2000;
02-MAY-2000;
                          which encode human secretory or membrane proteins represented by AAB88317 - AAB88419. Included in the invention are primers AAB88317 - AAF93217 - AAF62232 - AAF62235 which are used to isolate to AAF93917 - AAF94295 and AAF62232 - AAF62235 which are used to isolate to CDNA sequences of the invention. The invention also includes methods for the production of antibodies directed against the proteins, and cDNA sequences, which can be used in vaccines. The polynucleotide sequences can be used in gene therapy. The polynucleotide sequences and the proteins they encode may be used in the prevention, treatment and diagnosis of diseases associated with inappropriate secretory protein/membrane protein expression. The nucleic acids and complementary
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nucleic acids encoding secretory proteins/membrane proteins, useful in gene therapy or as candidate target molecules in drug development .
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rheumatoid arthritis; diabetes; ss.
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DB; AAB88418.
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                                                                             GCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGC
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RESULT 11
ABQ54231
                                                                                                                                                                                                                                                                                                                              Isolated nucleic acid molecules encoding novel ovarian polypeptides, useful in the prevention, treatment and diagnosis of cancer (e.g. ovarian cancer), immune disorders, cardiovascular disorders and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ovarian cancer; breast cancer; tumour; reproductive system disorder; infertility; pregnancy disorder; anovulation; polycystic ovary syndrome; PCOS; ovarian cyst; dysmenorrhoea; endocrine disorder; infection; inflammatory condition; immune disorder; blood disorder; cardiovascular disorder; respiratory disorder; neurological disorder;
                                                                                                                                                                                                                                                                                               Claim 1;
                                                                                                                                                                                                                                                                                                                      neurological diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              07-JUN-2001; 2001WO-US18569
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            W0200200677-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gastrointestinal disorder; urinary system disorder; drug screening;
gene therapy; chromosome mapping; forensic analysis;
antibody preparation; cytostatic; immunomodulatory; neuroprotective;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human ovarian antigen HVCAG04 cDNA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22-AUG-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ovarian antigen; ovary;
                                                                                                                                                                                                                                                                                                                                                                             ABP41154
                                                                                                                                                                                                                                                                                               SEQ ID No 111; 2922pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                             Rosen CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ovarian;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO:111.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       tumour,
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CC recombinant vectors and host cells comprising human ovarian antigen composition to varian antigen polynucleotides, antibodies against human ovarian antigens, and the use cof ovarian antigen polynucleotides and polypeptides in diagnosing, cut treating, prognosing or preventing various ovary and/or breast-related disorders. Such conditions include ovarian cancer and breast cancer, and cut metastatic tumours of ovarian or breast origin, reproductive system cod disorders (e.g., infertility, disorders of pregnancy, anovulation, cod disorders, infections (e.g., consulation, and dysmenorrhoea), endocrine cod disorders, infections (e.g., collamydia, HIV, toxoplasmosis, and toxic constitutions, immune disorders (e.g., congenital and acquired cumunodeficiencies, autoimmune cophoritis, systemic lupus erythematosus), blood-related disorders (e.g., anaemia), cardiovascular disorders. Cc respiratory disorders, neurological disorders, gastrointestinal disorders cand urinary system disorders. Ovarian antigen polypeptides and collentification of individuals and in soreening for compounds which compounds which may be used as food additives or to prepare antibodies conserval in disease diagnosis, drug targeting and phenotyping. The present The invention relates to 2175 novel human ovarian antigens (ABP41054-ABP43228) and to cDNAs encoding them (ABC54131-ABC56305), and also encompasses polypeptides 90% identical and polynucleotides 95% identical to the sequences of the invention. The invention additionally relates to

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Human; cardiovascular; tumourigenic disorder; aberrant angiogenesis; gene therapy; aberrant vascularisation; artherosclerosis; ovarian cancer; ischaemia/reperfusion injury; hypertension; arterial inflammation; psoriasis; endothelial cell disorder; diabetic retinopathy; restenosis; myocardial infarction; Grave's disease; G protein coupled receptor;
                                                                                                                                                                                                                                                                                                                                                                                                   775
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                                                                                                                                                                                                                                                                                      AAD18690 standard; cDNA;
                                                                                                                                                                                            18-DEC-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      236 CCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACTTGA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CAGCTTCTTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACCCGGGGGAGTTGG 1560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGGGAGAGAC 1380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CTCGTCCAGTCCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATC 1320
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CTGAGGTAGAAAAACGTCTCCGAGAAGGGGGGGGGGGGTCATGTACGCCCGGAAGTAGGAC 1260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAG 1200
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                                                                                                                                              protein coupled receptor (GPCR) 4941 cDNA.
                                                                                                                                                                                                                                                                                        2528
                                                                                                                                                                                                                                                                                        ВP
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                                                                                                                                                                                                                                                                                                                              Matches 1319;
                                                                                                                                                                                                                                                                                                                                                            Query Match
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09-AUG-2000; 2000US-0635521.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein coupled receptor (GPCR)-4941
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cardiovascular and tumorigenic disorders, comprises identifying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (MILL-) MILLENNIUM PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                             Sequence 2528 BP; 516 A; 766 C; 677 G; 567 T; 2 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 1; Fig 1; 118pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Identifying nucleic acids for the diagnosis and treatment of
                                                                                                                                                                                                                                                           2217 AGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTG
                                                                                                                                                                                          2157 CTCCTCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGA
                271 CATCAGCTGCTGCAACACCCCTCTTTGTAACGGGCCAAGGCCCCAAGAAAAGGGGAAGTTC
                                                                                                                                                                                                                         91 CTCCTCCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGA 150
                                                                                                                                                                                                                                                                                          31 AGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTG
                                                                                                                                                                                                                                                                                                                                              Local
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                                                AGTGATGGAGGAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTG
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                                                                                                                      AGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTG
AAE11751.
                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  the specification"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /product= "Human GPCR 4941"
/note= "The CDS is specifically claimed in calim 1
                                                                                                                                                                                                                                                                                                                                              71.0%;
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                                                   Human secreted proteins AAB75506 - AAB75554 are encoded by polynucleotide sequences AAF64176 - AAF64224. The specification includes amino acid sequences AAB75555 - AAB75606 which represent fragments of the human secreted proteins, and protein sequences with which they share homology. The proteins and polynucleotides, their agonists and antagonists have activities dependent on the tissues and cells in which they are expressed, examples of these activities include, immunosuppressive; antiarthritic; antirheumatic; antiproliferative; cytostatic; cardiant; vasotronic.
vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungicide; opthalmalogical; and vulnerary. The proteins, polynucleotides, agonists and antagonists can be used to treat or detect
                                                                                                                                                                                                                    Claim 1; Page 443-444; 542pp; English.
                                                                                                                                                                                                                                                         preventing, treating or ameliorating a disorder, e.g. Alzheimer's and Parkinson's diseases and cancers -
                                                                                                                                                                                                                                                                                   Nucleic acid molecules encoding human secreted proteins, used in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       nootropic; neuroprotective; antibacterial; virucide; fungicide; opthalmalogical; vulnerary; autoimmune disease; cardiovascular disorde; hyperproliferative disorders; cerebrovascular disorder; wound healing; nervous system disorder; ocular disorder; skin ageing; chemotaxis;
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                                                                                                                                                                                                                                                                                                                                                                                                                                        (HUMA-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; secreted protein; immunosuppressive; antiarthritic; antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21-DEC-2000
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ROSEN C A.
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                                                                                                                                                                                                                                                                                                                                                                                 Ruben SM,
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        or diagnose various diseases and disorders including, autoimmune diseases e.g. rheumatoid arthritis, hyperproliferative disorders e.g. neoplasms of the breast or liver, cardiovascular disorders e.g. cerebrass of the breast or liver, cardiovascular disorders e.g. cerebral ischaemia, angiogenesis, nervous system disorders e.g. Alzhelmer's disease, infections caused by bacteria, viruses and fungi and coular disorders e.g. corneal infection. The polypeptides can also be used to aid wound healing and epithelial cell proliferation, to prevent skin ageing due to subburn, to maintain organs before transplantation, for supporting cell culture of primary tissues, to regenerate tissues and in chemotaxis. The polypeptides can also be used as a food additive or preservative to increase or decrease storage capabilities. Included in the invention are polynucleotide sequences AAF64167 - AAF64175 and peptide AAB75505 which
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              proteins of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         are used in the isolation, identification and characterisation of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        241
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        61 GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGGAAATCCAGTGCTACCA 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
TTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGA
                                                                              CGGAGTCAAGGCCAGGCTGGCAGAGTCAGTCCTTAGAAGTCACTGAGGTGGGCATCTGCC
                                                                                                                   CGGAGTCAAGGCCAGGCTGGCAGAGTCAGTCCTTAGAAGTCACTGAGGTGGGCATCTGCC
                                                                                                                                                                                                      TTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAAC
                                                                                                                                                                                                                                                                                     CACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCAC
                                                                                                                                                             TTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTAAC
                                                                                                                                                                                                                                                 CCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAATAAATTCAGCYTGACTGAAT
                                                                                                                                                                                                                                                                                                                              GTTTCTTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGTGTTCTCTTTTGTT
                                                                                                                                                                                                                                                                                                                                                       GTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGTGTTCTCTTTTGTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                 CCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCAACCCCCCACCTCCCTGAGTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CACCATCCTGTTCCTCAAATTAGCCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATG
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99.78;
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Homo sapiens.

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В
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Best Local Similarity 99.7%;
Matches 1595; Conservative
                                                                                                                                                                                                                                                                     AAF22373 to AAF22421 encode the human secreted proteins given in AAB63134 to AAB63182. AAB63183 to AAB63231 represent more human secreted proteins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Isolated nucleic acid molecule encoding a human secreted protein used in preventing, treating or ameliorating a medical condition
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20-JAN-2000; 2000US-0176931.
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  1494
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1953 BP; 428 A; 540 C; 524 G; 458 T; 3 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       preservative to increase or decrease storage capabilities. AAF22364 to AAF22372 and AAB63133 represent sequences used in the exemplification of AAF22372 and AAB63133 represent sequences.
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                                                                                        1554
                   181 CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT 240
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DB; AAB63161.
                                                                                                                GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGAGGAGCAAAGTGCCGGGATCATGTA 180
  CCGCAAGTCCTGTGCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT 1435
                                                                                                                                                                            GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 1555
                                                                                                                                                                                                                          GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 120
                                                                                        GGTGAACGTTCAAGACATGTGCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 1495
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1380	CAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGAGAGAC	1321	Qy
357	CTCGTCCAGTCGTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGGTTGGGCATC	416	Db
1320	TCGTCCAGTCGTGCTTGGGCTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGC	1261	Qy
417	AGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGG	476	Db
1260	TGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAG	1201	Qy
477	ACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAG	536	рь
1200	CGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCC	1141	Qy
537	CTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCAGCACAGCACC-TG	595	ф
1140	SCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAG	1081	Qy
596	ACGCGAAGAGCAACGGGGCGCTGCACAAAGCGGGGCTGTCGGTGGTGGAGTGCGCATGTA	655	рb
1080	CGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATG	1021	Qy
656	TGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGG	715	ф
1020	GCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCG	961	Qy
716	CTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGGCTTAGACTGGGGCTCGGCCT		Db
960	TGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCC	901	Qy
776	ACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGC	835	рь
900	CATTCAAACTTCATGCTCCTGAAAAACCATTCTCTCCAGCAGAAATTGGCTGGTTTCGCG	841	Qy
836	GTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTG	895	Ф
840	TGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCCAAGGCTCCCTCGC	781	νQ
968	TTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGA	955	망
780	TTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGGCATAGTTTGAGACTGCAG	721	Ω
956		1015	Db
720	GGAGTCAAGGCCAGGCTGGCAGAGTCAGTCCTTAGAAGTCACTGAGGTGGGCATCTGC	661	Qy
1016	TTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAAAC	1075	Db
660	TTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAAC	601	Ωу
1076	CCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAATAAATTCAGCYTGACTGAAT	1135	Db
600	CTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAATAAATTCAGCCTGACTGA	541	Qy
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540	TTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGTGTTCTCTTTTGTT	481	0
1196	CCACCCCCTCCTGCATTGTTCCTTCCAGCCCTCGCCCCAACCCCCCACCTCCCTGAGTGA	1255	ф
480	CACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCAACCCCCCACCTCCCTGAGTGA	421	Qy
1256	CACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATG	1315	Дb
420	ACCATCCTGTTCCTCAAATTAGGCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATG	361	Qy
1316	CGGGCCAAGGCCNAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGG-CAGGGCTCCGCAC	1374	ф
360	GGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCAC	301	Qy
1375	CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCCTCTTTGTAA	1434	Db
300	TGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAA	241	Qy

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CC The invention relates to one hundred and twenty two nucleic acids CC encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides CC encode human secreted proteins. The PRO nucleic acids, polypeptides, CC agonists and antagonists are useful for treating a PRO related disorder. CT The PRO polypeptides are useful for diagnosing tumours, especially lung CC cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or CC liver tumour. The PRO polypeptides are useful for stimulating the proliferation of, or gene expression, in pericyte cells, for stimulating CC the proliferation or differentiation of chondrocyte cells, for stimulating the release of tumour necrosis factor-alpha from human blood, for stimulating or inhibiting the proliferation of normal human dearmal CC throblast cells. The PRO polypeptide may also be used as molecular inductions in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. ABK33536-ABK33657 represent human can be proved.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for treating a PRO related disorder and for diagnosing tumours such as lung cancer, colon cancer, breast tumour, prostate tumour, rectal
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Sequence 1524 BP; 321 A; 433 C; 435 G; 335 T; 0 other;

Query Match Best Local

Local Similarity

78.1%; 99.9%;

Score 1264; Pred. No. 0;

DB 24; Length 1524;

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TTTCAGTATGTACTTGAAGGAAGGAGGTGGAGGTGAAAGTTCACCCCCATGTCTGTGTAAC
                                                                  CCACCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCAACCCCCCACCTCCCTGAGTGA 480
                                                                                                                                                                                                                       CACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGAGTG
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RESULT 8
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26-MAR-2001 (first entry)
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Human secreted protein gene 28 SEQ ID NO:38

antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungicide; ophthalmological; gene therapy; autoimmune disease; neoplasm; rheumatoid arthritis; hyperproliferative disorder; cardiac arrest; cardiovascular disorder; cerebrovascular disorder; cerebral ischaemia; angiogenesis; nervous system disorder; Alzheimer's disease; infection; ocular disorder; corneal infection; wound healing; skin aging; Human; secreted protein; diagnosis; immunosuppressive; antiarthritic; additive; preservative;

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) ALGATE P A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian
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1616; Conserv
                                CGGAGTCAAGGCCAGGCTGGCAGAGTCAGTCCTTAGAAGTCACTGAGGTGGGCATCTGCC
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 TTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGCCATAGTTTGAGACTGCAGA
                     CGGAGTCAAGGCCAGGCTGGCAGAGTCWGTCCTTAGAAGTCACTGAGGTGGGCATCTGCC
                                                                       TTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAAC
                                                                                                      CCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAATAAATTCAGCYTGACTGAAT
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01-MAY-2000;
15-AUG-2000;
07-SEP-2000;
14-NOV-2000;
        iseful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the development of a cancer in a patient. They are also useful for stimulating an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their ability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and
                                                                                                                                      Claim 1a; Page 125-126; 131pp; English.
                                                                                                                                                                                                                                           (STOL/)
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                                                                                                                                                             prevention
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                                                                                                                    invention relates
                                                                                           invention relates to ovarian tumour polynucleotides and polypeptides may be utilised in cancer therapy, for example in a vaccine or therapy. Polypeptides and polynucleotides of the invention are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CAGCTTCTTTTGCCACAAGCAAGAAGAAGTTTAACACTGTTTCAAACCCGGGGGAGTTGG
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STOLK J A.
ALGATE P A.
FLING S P.
                                                                                                                                                           tumour polypeptide and
ion and/or treatment of
     ribozyme
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2000US-0561778.
2000US-0640173.
2000US-0656668.
2000US-0713550.
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   inhibiting expression
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CTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCT
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polypeptides in tumour cells. Polypeptides and polynucleotides of the invention are also useful in recombinant DNA molecules to direct expression of a polypeptide in appropriate host cells. The current sequence represents the ovarian carcinoma O591S nucleotide sequence.
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                        ACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGC
                                                                                  GTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTG
                                                                                                      GTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCCCACTCAAGGCTCCCTCGCTTG
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                                                                                                                                                                                                                                                                                                     The invention relates to ovarian tumour polynucleotides and polypeptides chart may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the development of a cancer in a patient. They are also useful for cancer in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient.

The isolated polynucleotides of the invention are useful for their capitating ribozyme molecules of the invention are useful for their capitating ribozyme molecules for inhibiting expression of the entire desired gene or gene fragments, and for designing and preparing ribozyme molecules for inhibiting expression of tumour cells. Polypeptides and polynucleotides of the invention are also useful in recombinant DNA molecules to direct expression of a polypeptide in appropriate host cells. The current sequence represents the extended cDNA sequence of ovarian carcinoma constants.
                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 1619; Conserv
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05-SEP-2002 (first entry)

Human ovarian carcinoma associated coding sequence SEQ ID NO:

cytostatic; ovarian cancer; gene; SS ovarian carcinoma; gene therapy; immunotherapy.

WO200239885-A2

RESULT 2
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A A	3	AA	ΑA	AA	AB	AB	ΑВ	ΑВ	AB	ΑВ	ΑВ	ΑВ	A	ΑВ	ΑВ	ΑВ	ΑВ	ΑВ	ΑB	AA	ÅΒ	AΒ	AΒ	ΑA	ĀΑ	AA	АВ	АВ	AB	AΒ	ABT 0	AAF9	AB	AAD
AAL2727	AAL33986	AAL33985	AAL33984	AAS60824	ABN41977	ABL79397	ABL8127	ABL84848	ABL40351	ABT03283	ABL78554	ABL85916	AAF94044	181	ABL40350	T03	ABL79431	L48	ABT03085	F94	L78	ABL48956	ABT03274	AAF95007	AAH50766	F94	ABL40347	T03	L87	ABL40348	T03	F93	54	D18
277	986	985	984	824	977	397	273	848	351	283	554	916	044	262	350	282	431	768	280	818	538	956	274	007	766	186	347	279	898	348	3280	3845		690
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ALIGNMENTS

RESULT 1 ABT03277

ABT03277 standard; cDNA; 1619 BP

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Xu J,
                                                                       14-NOV-2000; 2000US-0713550
03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
Novel ovarian cancer polypeptide and polynucleotide, useful for
                                                                                                             13-NOV-2001; 2001WO-US45395
                                                                                                                                                  WO200239885-A2
                                                                                                                                                                                    Human; ovarian cancer; ovarian carcinoma; gene therapy; immunotherapy; cytostatic; gene; ss.
                                                                                                                                                                                                                 Human ovarian carcinoma associated coding sequence SEQ ID NO: 205
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Search completed: November 7, 2002, 23:01:52 Job time: 6567.22 secs
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9096..9246

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73. .14968
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63
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                                                                                                                      MAPPING INFORMATION:
The sequence of this clone was established as part of a mapping and sequencing collaboration between the NHGRI Chromosome 7 Mapping Project (Eric D. Green, Director), John D. McPherson in the Department of Genetics (Washington University), and the Washington University Genome Sequencing Center. For additional information about the map position of this sequence, see http://www.nhgri.nih.gov/DIR/GTB/CH87, send
                                                                                                                                                                                                                                                                                                                                                                                           all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Submitted (01-MAR-2002) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Submitted (03-FEB-2000) Department of Genetics, University, 4444 Forest Park Avenue, St. Louis, 5 (bases 1 to 94336)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Submitted (03-JUL-1998) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, USA (bases 1 to 94336)
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3. (bases 1 to 94336)
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Clone CTA-318M5 is from a releas CITB-HS-A. The library contains
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Sulston, J.E. and Waterston, R.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               This sequence was finished as follows unless otherwise noted:
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                         SOURCE INFORMATION:
                                                                                                        mailto:egreen@nhgri.nih.gov , or see http://genome.wustl.edu/gsc
                                                                                                                                                                                                                                                                                                                                                                        restriction digest.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Web site: http://genome.wustl.edu/gsc
Contact: saplens@watson.wustl.edu
Summary Statistics
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Missouri 63108, USA
  human sperm.
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Actual start of this clone is at base position 1 of CTA-318M5;
actual end is at base position 94336 of CTA-318M5.

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Shizuya et al., Proc. Natl. Acad. Sci. USA 89:8794-7 (1992); U-J. Kim et al., Genomics 34:213-8 (1996). The clone is available from Research Genetics, Inc. (http://www.resgen.com).
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                                                                                         /rpt_fami.
6795. .68
                                                                                                                                                                                                                                /rpt_family="Alu" 6177. .6298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /rpt_family="L1" 547. .1005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /rpt_family="GA-rich" 2702. .2810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note="match to EST BE160466 (NID:g8623187)" 1171. .1313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /rpt_family="L1" 395. .531
                /rpt_family="ERVK" 7843. .8080
                                                     /rpt_family-"Alu"
6847. .7842
                                                                                                                                                                                                                                                                                                                                            3940.
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1773. .2057
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /organism="Homo sapiens"
/db_xref="taxon:9606"
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/rpt_family="Alu"
                                                                                                                                           /rpt_family="MIR"
                                                                                                                                                             /note="match to EST 5443. .6717
                                                                                                                                                                                                                /rpt_family-"L2"
                                                                                                                                                                                                                                                                                                                    rpt_family-"(T)n"
                                                                                                                                                                                                                                                                                                                                                  /note="match to EST BF811896 (NID:g12141104)"
and and and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /rpt_family="U6"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       rpt_family="(TA)n"
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         Wang, J., Hoshino, T., Re
ETO, fusion partner in
                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (base 1 to 7940)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cDNA Library Preparation: Michael J. Brownstein (NHGRI) & Toshiyuki and Piero Carninci (RIKEN) cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Institute for Systems Biology
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Miklos Palkovits, M.D., Ph.D.
cDNA Library Preparation: Michael J. Brownstein (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Submitted (11-JUL-2002) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20092-2590,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 contact: amadan@systemsbiology.org
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
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YAPLLLIIRWPEKFVASPLAKSGIKETVRKVTPNTVLENEFKHSTROPLQTDIYGL
AKKCHLTEROVERWBESRERNOERPSRLKKFOZACWRFAPYLTTVAGIAFIJHHLAAISLM
LWEVWNGYPKOPLLPSQYWYYILEMSEYWSLLFRLGEDVKRKDELAHIIHHLAAISLM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /product="Similar to RIKEN cDNA 0610013117 gene"
/protein_id="AAH34500.1"
/db_xref="GI:21759791"
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/db_xref="taxon:9606"
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/tissue_type="Testis"
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Redner, R.L., Kajigaya, S. and Liu, J.M. in t(8;21) acute myeloid leukemia, represses
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GSPMMNRTSDVTIPPNKSTNHEKKSTLTPTQRESIPAKSPVPGVDPVVSHSPFDDHHR
GSPAGEVYMSHLPTQLDPAMPFHRALDPAAAYLFQRQLSPTPGYPGQYCYLYAMENTE
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GTSTPDMFITYIPGTQITPPRPYNSASMSPGHPTHLAAASBAREREREREKERER
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TPLDPTAQLRIMPLPAGGPSISQGLPASRYNTAADALAALVDAAASAPQMDVSKTKES
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LYSSPLKRPHLDLPQLOHRAAVIPPMSCTPCHIGTPVSGYALYQRHIKAMHESAL
LEEQRQROEDIDLECKSSTSPCGTSKSPUREBVLQPAPHQLTINLPEGVRLPTTRP
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GLPRQDESAKSATLPYIKQEEFSPRSQNSQPEGLLYKAQHEGVYMGTAGAIQEGSITR
GTPTSKISVESIPSLRGSITQGTPALPQTGIPFEALVKGSISRWPIEDSSPEKGREA
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ESPPIRAFEGAITKGKPYDGITTIKEMGRSIHEIPRQDILTQESRKTPEVVQSTRPII
EGSISQGTPIKFDNNSGQSAIKHNVKSLITGPSKLSRGMPPLEIVPENIKVVERGKYE
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NEKQMRQLSVIPPMMFDAEQRRVKFINMNGLMEDPMKYYKDRQFMNVWTDHEKEIFKD
KFIQHPKNFGLIASYLERKSVPDCVLYYYLTKKNENYKALVRRNYGKRRGRNQQIARP
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PGKSPERSHVSSEPYEPISPPQVPVVHEKQDSLLLLLSQRGAEPAEQRNDARSPGSISY
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ATSRGNTEPAVELEPTTETAPSTSPSLAVPSTKPAEDESVETQVNDSISAETAEQMDV
DQQEHSAEEGSVCDPPPATKADSVDVEVRVPENHASKVEGDNTKERDLDRASEKVEPR
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ATPRGRKTANSQGRRKGRITRSMTNEAAAASAAAAATEEPPPPLPPPPEPISTEPVE
TSRMTEEEMEVAKKGLVEHGRNWAALAKMVGTKSEAQCKNFYFNYKRRHNLDNLLQQH
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/protein_id="AAC33550.1"
/db_xref="GI:3510603"
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                                                           Local Similarity
                                                                                                                                                                Butler, K.H., Famodu, O.O., Gutteridge, S. and Maxwell, C.A. Magnesium Chelatase
Patent: WO 0075340-A 11 14-DEC-2000;
E.I. DU PONT DE NEMOURS AND COMPANY (US)
                                                                                                                                                                                                                                    Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae; eurosids I; Fabales; Fabaceae; Papilionoideae; Phaseoleae
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Sequence 11 from Patent WO0075340.
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Eshel, D., Prusky, D. and Dinoor, A.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 3889)
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Direct Submission
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Amphibia; Batrachia; Anura; Neobatrachia; Ranoidea;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rana catesbeiana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AF514845.1 GI:21435743
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (bases 1 to 2745)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ELCTNNRTQCSYRNFTSGAQAIKDWYLLQFSNIFSKIPEEEKVKMGYQAEDMILTCMF
GGQPCCSYRNFTHIFHQDYGNCYIFNWGQEGQELLESANPGADEGLKMYLDIDQKEYIP
FLQSTAAARIILHQQRSFPFLKDLGIYMFGTEFSIAVLEDQTQHLEAPYSSCTVDGS
DIPVANIYSKENSSYSIQSCLRSCFQEIMVKYCKCAYYLFPLLNGAHYCNNQEDPDW
PCYYNINDTVSHREQCIMMCQOPCNDSNYKMTISMADWPSAAAEDWIFHVLSYEKDTS
LDITVNRDGIMRLNIYFEEFNYRSISESPTNVVWLLSNLGGQFGFWMGGSVLCIIEF
GEIIIOCIWITLKILAWIRDRQKKRRPQYNDPPTVAELVEAYSNSGFQHEDSNQV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STPIPGTPPPNYDSLRLKQIDAIDVISSDDE"

581 c 545 g 766 t
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CNNTWTHGPKIVSECPKKRYWWFILT/LIFAALVFMOMGVVIOTYLSYGYSVSLSIGF
NTMVFPAVTYCVAVNPFKYSHVKHLHDLDLVJDTALDRIGPESOHGSGIFAPANNTNOL
VTLDPSLMNYMPLVVIDEHDPNNTIVYNIFDSSTDYSQINNATKGNQTFYAERYKVAI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /product="epithelial sodium channel ENAC beta subunit"
/protein_id="AAM53958.1"
/db_xref="GI:21435744"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="Rana catesbeiana"
/db_xref="taxon:8400"
/tissue_type="skin epitheliu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
1. .2745
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Pred. No.
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Ranidae; Rana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  VRT 17-JUN-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Complement(27908. .28191)
/note="match: GSS: Em:AQ236270"
complement(27918. .28199)
/note="match: GSS: Em:B74240"
join(27994. .28372,28928. .29009)
/gene="ba446H13.2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note="LIMEC repeat: 24716. .25027
                /note="MIR repeat: matches 160. 31806. .31957
                                                                                                                                                       /note="25 copies 4 mer aagg 76% conserved" 29660. .29707
                                                                                                                                                                                                                                                                                                                                                                                                                     /gene="bA446H13.2"
/note="match: GSS:
28202. .28375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /evidence=not_experimental complement(28093 .28377) /note="match: GSS: Em:AQ568541"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     match: proteins: Sw:P29316 Sw:Q07761 Tr:Q9TNR9 Tr:048553 Sw:Q20647 Tr:081229 Sw:022644 Sw:P48162 Tr:097118"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note="L1M2
27379. .2768
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note="L1M1 repeat: matches 1882. .2493
join(23433. .33587,23905. .24080)
/note="match: GSS: Em:AQ745958"
23646. .24715
                                                                                                                       29662
                                                                                                                                                                                                                          /note="match: GSS: Em:AQ033673"
j0in(28324. .28371,28947. .29064)
/note="match: GSS: Em:AQ178192"
28376. .28925
                                                                                                                                                                                                                                                                                                                                                                    /gene="bA446H13.2"
/note="match: GSS:
28221. .28323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               complement(28181.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      join(27994. .28372,28928. .29009)
/gene="bA446H13.2"
/note="bA446H13.2 (RPL23A (60S ribosmal protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27684.
/note="MIR repeat: matches
                                                    30874
                                                                                                                                                                                          /note="MLT2B repeat: matches 1. .448 of consensus"
29053. .29152
                                                                                                                                                                                                                                                                                             /gene="bA446H13.2"
                                                                                                                                                                                                                                                                                                                     /note="match: GSS:
28264. .28375
                                                                                                                                                                                                                                                                                                                                                    /gene="bA446H13.2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note="match: GSS: Em:B16501"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /gene="bA446H13.2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note="match: GSS: Em:AQ027573"
28192. .28375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note="match: GSS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                complement(28133
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          note="Alusx repeat: matches 1. .312 of consensus"
                                                                  note="L2 repeat: matches"
                                                                                   /note="11 copies 4 mer caca 90% conserved"
10354. .30466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /gene="bA446H13.2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /codon_start=1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    'note="AluJb repeat:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         'note="L1MEc repeat: matches 743. .1115 of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           'note≃"match: GSS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      'L1M2 repeat: matches 5391.
.27683
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .27378
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           . 25409
                                                                                                                     8 copies 6 mer cacaca 87% .29705
                                                      . 30954
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    repeat: matches 5471.
                                                                                                                                                                                                                                                                                                                                                                                                                                       GSS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .28377
                                                                                                                                                                                                                                                                                                                                                                                    Em: AQ036657"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Em: AQ178192"
                                                                                                                                                                                                                                                                                                                                  Em: AQ145980"
                                                                                                                                                                                                                                                                                                                                                                                                                                         Em: AQ164257"
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                                                                    2634.
52.
 . 207
                                  .250 of consensus
                                                                    .2746 of
                                                                                                                                     conserved'
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of consensus"
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RESULT 39
AF297044
LOCUS
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AF176571
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AUTHORS
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Best Local
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AF297044
Alternaria alternata.
Alternaria alternata
Alternaria alternata
Eukaryota; Fungi; Ascomycota; Pezizomycotina; Dothideomycetes;
Pleosporales; Pleosporaceae; mitosporic Pleosporaceae; Alterna
Alternaria alternata group.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (18-AUG-2000) T&TD-QT, Pioneer Hi-Bred Inc., 7300 NW 62nd Ave., Johnston, IA 50131, USA Location/Qualifiers
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27; Conserv
                                                                                                                      Alternaria alternata exoglucanase AF176571
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                                                                                                                                                       AF176571
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                                                                                                                                                                                                                                                                                                                        Similarity
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C. and Tarczynski, M.
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/note="LIMC4 repeat: matches 6030. .6:
32774. .32437
/note="LIMC/D repeat: matches 5559. ...
complement(32526. .33068)
/note="match: GSS: Em:AQ277814"
32562. .33031
                                                                                                                                                                                                                                                                                                                                                                                         /translation="MGVLEDLVARAGGCAVIDGGFATQLEALGADINDPLWSAACLIT RPHLYKEVHMQYLEAGADVIISSSYQAYIDGGFATQLEAGADLATTSYKLAMEARD EFWKSTLKKSKRIYNRALVAASIGSYCAYLADDSEYSGSYGADITAEKKADHIRRILQ VLASAGPDLIAFEAIPNQMEAQALVELLEEEKVQIPSWICFSSYDGKNLCSGESFADC LKILAASEKVAVYGVNCTPPQFIEGIICEFRKQTKAIAVYPNSGEVWDGRAKRWLPV ECLGHKSEDALAKRWQEAGASLIGGCRTTPSTIRAVSKILKGRTGH" 301 c 356 g 277 t
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /product="homocysteine S-methyltransferase-1"
/protein_id="AAG22537.1"
/db_xref="GI:10732785"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="Zea mays"
/db_xref="taxon:4577"
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                                                                                                      GI:6179888
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100.0%; Pr
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                                 Em:, EMBL; Sw:, SWISSPROT; Tr:, TREMBL; Wp:, WORMPEP; Information on the WORMPEP database can be found at http://www.sanger.ac.uk/Projects/C_elegans/wormpep This sequence was generated from part of bacterial clone contigs of human chromosome 10, constructed by the Sanger Centre Chromosome 10 wasping Group. Further information can be found at http://www.sanger.ac.uk/HGP/Chr10
This sequence is the entire insert of clone RP11-446H13 The true right end of clone RP11-128287 in this sequence. The true right end of clone RP11-41D21 is at 75932 in this sequence. This sequence has been finished according to sequence map criteria as follows. An attempt is made to resolve all sequencing problems, such as compressions and repeats, but not necessarily within known annotated repeat sequence elements. Where the sequence is ambiguous, there is an annotation using the 'unsure' feature key. RP11-446H13 is from the library RPCI-11.2 constructed by the group of Pieter de Jong. For further details see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AL133395
217929 bp DNA linear PRI 22-DEC-20
Human DNA sequence from clone RPI1-446H13 on chromosome 10.
Contains the 3' end of the gene for a novel protein similar to
KIAA1059 (ortholog of mouse VPS10 domain receptor protein SORCS),
an RPL334 (60S ribosmal protein 23A) pseudogene, ESTs, STSs and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         During sequence assembly data is compared from overlapping clones. Where differences are found these are annotated as variations together with a note of the overlapping clone name. Note that the variation annotation may not be found in the sequence submission corresponding to the overlapping clone, as we submit sequences with only a small overlap as described above.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      The following abbreviations are used to associate primary accession numbers given in the feature table with their source databases:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Submitted (11-DEC-2000) Sanger Centre, Hinxton, Cambridgeshire, CB10 1SA, UK. E-mail enquiries: humquery@sanger.ac.uk Clone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     requests: clonerequest@sanger.ac.uk
On Sep 9, 2000 this sequence version replaced gi:9943953.
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                 //www.chori.org/bacpac/home.htm
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рвасез.6.
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/note="assembly_fragment"
185715. .214411
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46639 c 46482 g 59706 t
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141180. .160980
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124252. .141079
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110520. .124151
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                                                                                                                /note="match: GSS: 21616. .22005
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20092. .20223
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/db_xref="taxon:9606"
/chromosome="10"
                                                                  /note="match: GSS: 22069. .22376
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                                                                                                                                                                                  note="11 copies 4 mer acac 95%
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/note="MSTD repeat: matches 204. .394 of consensus" 8471. .8598 /note="2 copies 64 mer 85% conserved" 9137. .9438
                                                                                                                                                                                                                                                                                   /note="28 copies 2 mer ac 85% conserved" 20300. .20343
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17855. .17931
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13204. .13680
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/note="AluY repeat: matches 1. .302 of consensus"
11951. .12152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note="L1PB1 repeat: matches 5922. .5979 of consensus"
2532. .2624
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note="MSTD-internal repeat: matches 7. .1651 of consensus"
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                                                       'note="Alux repeat: matches 1. .307 of consensus"
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                                                                                                                                                                                                                                                                                                                                                                           note="FLAM_C repeat: matches 1.
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repeat: matches 4745. .5127 of consensus"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Submitted (25-MAY-2000) NIH Intramural Sequencing Grovement Circle, Gaithersburg, MD 20877, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Beckstrom-Sternberg, S.M., Benjamin, B., Blakesley, R.W., Bouffard, G.G., Dietrich, N.L., Eagle, W.O., Gupta, J., Ho,, S.-L., Huang, M.C., Idol, J., Lee-Lin, S.-Q., Maduro, Q.L., Maduro, V.B., Mastrian, S.D., McCloskey, J.C., Morse, E., Ojodu, M.A., Pearson, R., Stantripop, S., Summers, T.J., Thomas, J.W., Thomas, P.J., Tiongson, E., Touchman, J.W., Tran, J.T., Vogt, J.L., Walker, M.A., Wetherby, K.D. and Green, E.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Green, E.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NISC Mouse Sequencing Initiative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 214411)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AC069297 214411 bp DNA linear HTG 25-Mus musculus chromosome 12 clone RP23-2N7 strain C57BL6/J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HTG; HTGS_PHASE1; HTGS_DRAFT.
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              NOTE: This is a 'working draft' sequence. It currently consists of 19 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will
                                                                                                                                      Sequencing vector: plasmid; n/a; 100% of reads
Chemistry: Dye-terminator Big Dye; 100% of reads
Assembly program: Phrap; version 0,990319
Consensus quality: 204922 bases at least Q40
Consensus quality: 207590 bases at least Q30
Consensus quality: 209017 bases at least Q20
Insert size: 205000; agarose-fp
Insert size: 248000; pulse-field-gel
Insert size: 248000; pulse-field-gel
Insert size: 21611; sum-of-contigs
Quality coverage: 5.40x in Q20 bases; pulse-field-gel
Quality coverage: 4.46x in Q20 bases; sum-of-contigs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (bases 1 to 214411)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             musculus.
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----- Summary Statistics
                                                                                                                                                                                                                                                                                                                                                                     Center project name: us
                                                                                                                                                                                                                                                                                                                                                                                                Contact: nisc_mouse@nhgri.nih.gov
                                                                                                                                                                                                                                                                                                                                                                                                             Web site: http://www.nisc.nih.gov
                                                                                                                                                                                                                                                                                                                                                                                                                               Center: NIH Intramural Sequencing Center Center code: NISC
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74359. .93680
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59705. .74258
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BL6/J, WORKING
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                /note="assembly_fragment"
89313. .99267
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68348. .78809
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56475. .68247
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47849. .56374
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38579. .47748
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24165. .30372
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78910. .89212
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11938. .16456
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/chromosome="12"
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16557. .24064
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1. .2371
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Mihova, T., Mlenga, V., Murphy, T., Naylor, J., Nguyen, C., Nicol, R., Norbu, C., Norman, C.H., O'Connor, T., O'Donnell, P., O'Neil, D., Ollver, J., Peterson, K., Phunkhang, P., Pierre, N., Pollara, V., Raymond, C., Retta, R., Rieback, M., Riley, R., Rise, C., Rogov, P., Roman, J., Rosetti, M., Roy, A., Santos, R., Schauer, S., Schupback, R., Seaman, S., Severy, P., Spencer, B., Stange-Thomann, N., Stojanovic, N. Strauss, N., Subramanian, A., Talamas, J., Tesfaye, S., Theodore, J., Topham, K., Travers, M., Travis, N., Trigilio, J., Vassiliev, H., Viel, R., Vo, A., Wilson, B., Wu, X., Wyman, D., Ye, W.J., Young, G., Washing, A., Walson, B., Wu, X., Wyman, D., Ye, W.J., Young, G., Washing, A., Walson, B., Wu, X., Wyman, D., Ye, W.J., Young, G., Washing, A., Walson, B., Wu, X., Wyman, D., Ye, W.J., Young, G., Washing, A., Walson, B., Wu, X., Wyman, D., Ye, W.J., Young, G., Washing, A., Walson, M., Walson, M.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       All repeats were identified using RepeatMasker:
Smit, A.F.A. & Green, P. (1996-1997)
http://ftp.genome.washington.edu/RM/RepeatMasker.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Landers, T., Lehoczky, J., Levine, R., Lindblad-Toh, K., Liu, G., MacLean, C., Macdonald, P., Major, J., Marquis, N., Matthews, C., McCarthy, M., McEwan, P., McKernan, K., Meldrim, J., Meneus, L.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kamat,A., Karatas,A., Kells,C., LaRocque,K., Lamazares,R.,
Landers,T., Lehoczky,J., Levine,R., Lindblad-Toh,K., Liu,G.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Zainoun, J., Zembek, L., Zimmer, A. and Zody, M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               consists of 26 contigs. Gaps between the contigs are represented as runs of N. The order of the pieces is believed to be correct as given, however the sizes of the gaps between them are based on estimates that have
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              by the finished sequence as soon as it is available and the accession number will be preserved.

1 618: contig of 618 bp in length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        provided by the submittor. This sequence will be replaced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NOTE: This is a 'working draft' sequence. It currently
                                                                                                                                                                                                                                                                                                                                                                                                      1375: contig of 657 bp in length 1376 1475: gap of 100 bp 110 bp 1176 1475: gap of 100 bp 110 bp 1115 2214: gap of 100 bp 11 2215 2214: gap of 100 bp 1215 2214: gap of 100 bp 1215 2214 2843: contin 100 bp 12844 2943:
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Consensus quality: 203101 bases at least 040
Consensus quality: 204725 bases at least 030
Consensus quality: 205415 bases at least 020
Insert size: 210000; agarose-fp
Insert size: 21090; sum-of-contigs
Quality coverage: 14.3 in 020 bases; sum-of-contigs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Web site: http://www-seq.wi.mit.edu
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                                                                                    5164: gap of
6283: cor
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3352: contig of 185
: gap of
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: gap of
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of 100 bp
contig of 1122 bp in length
of 100 bp
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contig of 627 bp in
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* 9839 938: gap of 100 bp
* 9939 11655: contig of 1757 bp in length
11696 11795: gap of 100 bp
11892 15821: contig of 4026 bp in length
15822 15921: gap of 100 bp
15822 20158: contig of 4237 bp in length
20159 20258: gap of 100 bp
20258: gap of 100 bp
20258: gap of 100 bp
26512 26811: gap of 100 bp
26612 35760: Contig of 6453 bp in length
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113665 134201: contig of 20537 bp in
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159769 212690: contig of 52922 l
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7 8426: gap of 100 bp
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197265 197364: gap of
197365 209572: conti
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11092 11191: gap of 100 bp
11192 121839: contig of 1648 bp
12840 12999: gap of 100 bp
12940 16049: contig of 3110 bp
16050 16149: gap of 100 bp
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79728 979
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7975:
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9524: conti
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contig of 687 bp in length
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AC110232
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Birren,B., Linton,L., Nusbaum,C., Lander,E., Ali,A., Allen,N., Anderson,S., Barna,N., Bastien,V., Bloom,T., Boguslavkiy,L., Boukhqalter,B., Brown,A., Camarata,J., Campopiano,A., Chang,J., Chazaro,B., Choepel,Y., Colangelo,M., Collins,S., Collymore,A., Cooke,P., DeArellano,K., Dewar,K., Diaz,J.S., Dodge,S., Faro,S., Ferreira,P., FitzHugh,W., Gage,D., Galagan,J., Gardyna,S. Ginde,S., Gord,S., Goyette,M., Graham,L., Grand-Pierre,N.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Choepel, Y., Colangelo, M., Collins, S., Collymore, A., Cook, A., Cooke, P., DeArellano, K., Dewar, K., Diaz, J.S., Dodge, S., Faro, S., Ferreira, P., FitzHugh, W., Gage, D., Galagan, J., Gardyna, S., Ginde, S., Gord, S., Goyette, M., Graham, L., Grand-Pierre, N., Hagos, B., Horton, L., Hulme, W., Iliev, I., Johnson, R., Jones, C., Kamat, A., Karatas, A., Kells, C., LaRocque, K., Lamazares, R., Kamat, A., Karatas, A., Kells, C., LaRocque, K., Lamazares, R.,
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                                                                                                                                                                                                                                                                                                                                                                      Submitted
                                                                                                                                                                                                                                                                                                                                                                                                           Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                Zainoun,J.,
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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HTG; HTGS_PHASE2; HTGS_DRAFT; HTGS_FULLTOP
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                                                                                                                                                                                                                                                                                                                                 Research,
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166771. .197264
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142396. .166670
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119421. .142295
                                                                                                                                                                                                                                                                                                                         (10-FEB-2002) Whitehead Institute/MIT Censilon 320 Charles Street, Cambridge, MA 02141,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     note="assembly_fragment"
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41, USA
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RESULT 35
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(NID:g14340025)"
8939 .939a
                                                                                                                                                                                                                                                                                                                                                                                                                 /note="similar to Homo sapiens (NID:g15998167)" 8877. .9366
                                                                                                                                  8982. .9519
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xv20d05.x1"
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6951. .7090
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8973. .9366
                                                                                                                                                                                                                                                                            /note="similar to 8962. .9144
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8877. .9633
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6625. .6628
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hw27d09.x1"
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                                                                                             1.7%;
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| . .7784
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4201: contig of 4201 bp

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nagos, B., Heaford, A., Horton, L., Hulme, W., Illev, I., Johnson, R.,
Jones, C., Kamat, A., Karatas, A., Kells, C., LaRocque, K.,
Lamazares, R., Landers, T., Lehoczky, J., Levine, R., Liu, G.,
MacLean, C., Macdonald, P., Major, J., Marquis, N., Matthews, C.,
McCarthy, M., McEwan, P., McKernan, K., McPheeters, R., Meldrim, J.,
McCarthy, M., McEwan, P., McKernan, K., McPheeters, R., Meldrim, J.,
McCarthy, M., McEwan, P., McKernan, K., McPheeters, R., Meldrim, J.,
McDiver, J., Peterson, K., Connor, T., O'Donnell, P., O'Neil, D.,
Oliver, J., Peterson, K., Phunkhang, P., Pierre, N., Pollara, V.,
Raymond, C., Retta, R., Rieback, M., Riley, R., Rise, C., Rogov, P.,
Roman, J., Rosetti, M., Roy, A., Santos, R., Schauer, S., Schupback, R.,
Seaman, S., Severy, P., Spencer, B., Stange-Thomann, N., Stojanovic, N.,
Strauss, N., Subramanian, A., Talamas, J., Tesfaye, S., Theodore, J.,
Topham, K., Travers, M., Travis, N., Trigilio, J., Vassiliev, H.,
Viel, R., Vo, A., Wilson, B., Wu, X., Wyman, D., Ye, W. J., Young, G.,
Zalnoun, J., Zembek, L., Zimmer, A., and Zody, M.
* NOTE: This is a 'working draft' sequence. It currently consists of 19 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Submitted (16-NOV-2001) Whitehead Institute/MIT Center Research, 320 Charles Street, Cambridge, MA 02141, USA All repeats were identified using RepeatMasker: Smit, A.F.A. & Green, P. (1996-1997) http://ftp.genome.washington.edu/RM/RepeatMasker.html
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Birren, B., Linton, L.,
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Mammalia; Eutheria; Rodentia;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequencing vector: Plasmid; n/a; 100% of reads chemistry: Dye-terminator Big Dye; 100% of read Assembly program: Phrap; version 0.960731 consensus quality: 204261 bases at least 040 consensus quality: 206670 bases at least 030 consensus quality: 207399 bases at least 020
                                                                                                                                                                                                                                                                                                                                                                          Insert size: 200000; agarose-fp
Insert size: 207772; sum-of-contigs
Quality coverage: 8.2 in Q20 bases; agarose-fp
Quality coverage: 7.9 in Q20 bases; sum-of-contigs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Contact: sequence_submissions@genome.wi.mit.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Center project name: L17310
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MAPPING INFORMATION:
The sequence of this clone was established as part of a mapping and sequencing collaboration between the NHGRI Chromosome 7 Mapping Project (Eric D. Green, Director), John D. McPherson in the Project (Eric D. Green (Washington University), and the Washington Department of Genetics (Washington University), and the Washington Department of Sequencing Center. For additional information
                                                                                                                                                                                                                         This sequence was finished as follows unless otherwise noted: all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by
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AC074389
AC074389.8 GI:18042461
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Submitted (10-JAN-2002) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 6 On Jan 3, 2002 this sequence version replaced gi:14209801.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Submitted (30-JUL-2000) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis,
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Toward a complete human genome sequence
Genome Res. 8 (11), 1097-1108 (1998)
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1. (bases 1 to 195782)
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Contact: sapiens@watson.wustl.edu
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about the map position of this sequence, see http://www.nhgri.nih.gov/DIR/GTB/CHR7 , send mailto:egreen@nhgri.nih.gov , or see http://genome.wustl.edu/gsc
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The clone sequenced to the left is RP11-16P10, 2000 bp overlap. Actual start of this clone is at base position 112086 of RP11-16P10; actual end is at base position 195782 of RP11-510K8. approach for construction of bacterial artificial chromosome libraries. Genomics 51:1-8. The cone may be obtained either from Research Genetics, Inc. (http://www.respen.com) or Pieter de Jong and coworkers at the Roswell Park Cancer Institute The RPCI-11 human BAC library was made from the blood of one male donor, as described by Osoegawa,K., Woon,P.Y., Zhao,B., Frengen,E., Tateno,M., Catanese,J.J. and de Jong,P.J. (1998) An improved SOURCE INFORMATION: NEIGHBORING SEQUENCE INFORMATION: (http://bacpac.med.buffalo.edu) pBACe3.6

Data from AC093734 was used to finish this clone, AC074389. There is single M13 clone coverage from 64639 to 64773.

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                                                                                                  /rpt_family="MIR" 5756. .6058
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5572. .5740
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3175. .3277
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2261. .2383
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4173. .4432
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/clone_lib="RPCI-11"
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          /note="similar to Homo sapiens EST BM153036
(NID:917177822)"
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REFERENCE AUTHORS TITLE JOURNAL

REFERENCE

COMMENT

AUTHORS TITLE JOURNAL ACCESSION VERSION KEYWORDS

SOURCE ORGANISM

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Center project Information
Center project name: H_NH0341F08
Center project name: H_NH0341F08
Sequencing vector: Summary Statistics
Sequencing vector: M13; 100%
Sequencing vector: plasmid; 0%
Chemistry: Dye-primer ET; 100% of reads
Chemistry: Dye-terminator Big Dye; 0% of reads
Assembly program: Phrap; version 0.990319
Consensus quality: 167601 bases at least Q40
Consensus quality: 170488 bases at least Q30
Consensus quality: 170488 bases at least Q20
Insert size: 179000; agarose-fp
Ouality coverage: 4.14 in Q20 bases; sum-of-contigs
Quality coverage: 4.29 in Q20 bases; sum-of-contigs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 * NOTE: This is a 'working draft' sequence. It currently consists of 21 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence
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On Aug 24, 2000 this sequence version replaced g1:9665207.
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Waterston, R. H.
Direct Submission
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AC074245.3 GI:9887809
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                          7: gap of unknown length
0: contty of 8623 bp in length
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6: gap of unknown length
7: contig of 11096 bp in length
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7: contig of 10020 bp in length
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76563. .89099
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13501. .18872
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      'note="assembly_name:Contig18"
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                                                                                                                                                                                                                                                                                                                   note="assembly_name:Contig26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             note="assembly_name:Contig17"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   note="assembly_name:Contig16"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       note="assembly_name:Contigl3"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               note="assembly_name:Contigl0"
                  1.78;
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4: contig of 16256 bp in length
4: gap of unknown length
1: contig of 17697 bp in length
1: gap of unknown length
9: contig of 21998 bp in length
9: gap of unknown length
7: contig of 1848 bp in length
7: contig of 1877 bp in length
4: contig of 1877 bp in length
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    0
                  Score 27; DB 2; Length 179364; Pred. No. 0.001;
  Mismatches
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                                                                                                source
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Barna, N., Bastlen, V., Bloom, T., Boguslavkiy, L., Boukhgalter, B.,
Camarata, J., Chang, J., Chazaro, B., Choepel, Y., Collymore, A.,
Cook, A., Cooke, P., DeArellano, K., Dewar, K., Diaz, J.S., Dodge, S.,
Faro, S., Ferreira, P., FitzGerald, M., Gage, D., Galagan, J.,
Gardyna, S., Gord, S., Graham, L., Grand-Pierre, N., Hagos, B.,
Horton, L., Hulme, W., Iliev, I., Johnson, R., Jones, C., Kamat, A.,
Karatas, A., Kells, C., Landers, T., Levine, R., Lindblad-Toh, K.,
Liu, G., MacLean, C., MacGonald, P., Major, J., Matthews, C.,
McCarthy, M., Meldrin, J., Meneus, L., Mihova, T., Mlenga, V.,
McCarthy, M., Meldrin, J., Meneus, L., Mihova, T., Mlenga, V.,
Murphy, T., Naylor, J., Ngyen, C., Nicol, R., Norbu, C., Norman, C.H.,
O'Connor, T., O'Donnell, P., O'Neil, D., Oliver, J., Peterson, K.,
Phunkhang, P., Pierre, N., Raymond, C., Retta, R., Rise, C., Rogov, P.,
Roman, J., Roy, A., Schauer, S., Schupback, R., Seaman, S., Severy, P.,
Smith, C., Spencer, B., Stange-Thomann, N., Stojanovic, N., Talamas, J.,
Tesfaye, S., Theodore, J., Topham, K., Travers, M., Vassiliev, H.,
Vyel, R., Vo, A., Wilson, B., Wu, X., Wyman, D., Young, G., Zainoun, J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ACAGTGTAAAAAAAAAAAAAAAAAAAA 31545
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Polypterus bichir clone -22F22, *** SEQUENCING IN PROGRESS ***,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HTG; HTGS_PHASE2; HTGS_FULLTOP; HTGS_ACTIVEFIN
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                                                                                                                                                                                                         * NOTE: This is a 'working draft' sequence. It currently consists of I contigs. Gaps between the contigs are represented as runs of N. The order of the pieces believed to be correct as given, however the sizes of the gaps between them are based on estimates that have provided by the submittor.

This sequence will be replaced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Submitted (05-JUL-2002) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA All repeats were identified using RepeatMasker:
Smit, A.F.A. & Green, P. (1996-1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Polypterus bichir, clone -22F22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  http://ftp.genome.washington.edu/RM/RepeatMasker.html
                                                                                                                                           the accession number will be preserved.

1 151602: contig of 151602 bp in length
                                                                                                                                                                                      by the finished sequence as soon as it is available and
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                                                                                                                                                                                                                                                                                                                                                                                             Center code: WIBR web site: http://www-seq.wi.mit.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Center: Whitehead Institute/ MIT Center for Genome Research
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  /organism="Polypterus bichir"
/db_xref="taxon:31136"
/clone="-22F22"
/clone_lib="Bichir"
                                                                                                                   Location,
                                                                                                1. .151602
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Zimmer, A. and Zody, M.
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                                                                        RESULT 33
AC074245
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AC027118
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אים איניינים אות ביינים בער אות 1 near HTG 24-AUG-2000
Homo sapiens chromosome 2 clone RP11-341F8, WORKING DRAFT SEQUENCE,
21 unordered pieces.
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Db 80517 AGACAGTGTAAAAAAAAAAAAAAAAAAA 80491
Db 136987 ACAGTGTAAAAAAAAAAAAAAAAAA 137013
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                                    1593 ACAGTGTAAAAAAAAAAAAAAAAAAA 1619
                                                                                                                                                                                                                                                                                                              Street, Waltham, MA 02453, USA
On Mar 28, 2002 this sequence of
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                       Submitted (23-APR-2002) Genome Therapeutics Corporation, 100 Beaver
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                            /clone="RP11-573I11"
/clone_lib="RPCI-11"
                                                                                                                                                                                                                                    /db_xref="taxon:9606"
/chromosome="10"
                                                                                                                                                                                                                                                                         /organism="Homo sapiens"
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                                                                                              100.0%;
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 Mismatches

 Mismatches

                                                                                                                  Score 27;
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Pred. No.
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                                                                                                Pred. No.
                                                                                                                                                                                                                                                                                                                                     version replaced gi:18266621
                                                                                                DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 2;
0.001;
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                                                                                                                  Length 170255;
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FEATURES
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KEYWORDS
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JOURNAL
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Best Local Similarity
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                    source
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1222 GAGAAGGGGAGGATCATGTACGCC 1248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        source
                                                                                                                                                                                                                                                                                                                            Insert size: 127424; sum-of-contigs
Insert size: 142249; 4.2% error; agarose-fp
Quality coverage: 8.11x in Q20 bases; sum-of-contigs Quality
coverage: 7.35x in Q20 bases; agarose-fp
                                                                                                                                                                                                                                                                                                                                                                                                                   Chemistry: Dye-terminator: 100% of reads consensus quality: 127311 bases at least Q40 consensus quality: 127389 bases at least Q30 consensus quality: 127413 bases at least Q20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Center: Wellcome Trust Sanger Institute Center code: SC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cambridgeshire, CB10 1SA, UK. E-mail enquiries:
humquery@sanger.ac.uk Clone requests: clonerequest@sanger.ac.uk
On Aug 21, 2002 this sequence version replaced g1:21694507.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AL807806 127524 bp DNA linear HTG 17-AUG-2002
MUS musculus chromosome X clone RP23-67K19, *** SEQUENCING IN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: humquery@sanger.ac.uk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Web site: http://www.sanger.ac.uk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Cambridgeshire, CB10 1SA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Submitted (16-AUG-2002) Wellcome Trust Sanger Institute, Hinxton,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalla; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HTG; HTGS_PHASE1; HTGS_ACTIVEFIN; HTGS_DRAFT; HTGS_FULLTOP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AL807806.4 GI:22416117
                                                                                                              be preserved.
                                                                                                                                               consists of 2 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23927 a
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84867
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87960
88060
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                                       24019 24118: gap of 100 bp
24119 127524: contig of 103406 bp
Location/Qualifiers
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/db_xref="taxon:10116"
/clone="CH230-286021"
19653 c 20425 g 23828 t
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/organism="Mus musculus
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84966: gap of unknown length
87959: contig of 2993 bp in length
88059: gap of unknown length
92874: contig of 4815 bp in length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 unordered pieces.
                                                                                                     24018: contig of 24018 bp in length
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 27; pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                127524 bp
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0.001;
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                                                           in length
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ACCESSION
VERSION
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                                                                                                      BASE COUNT
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Best Local Similarity
Matches 27; Conserv
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Best Local Similarity
                           Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                              corresponding to the overlapping clone, as we submit sequences with only a small overlap as described above.

This sequence was finished as follows unless otherwise noted: all regions were either double-stranded or sequenced with an alternate chemistry or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by at least one plasmid subclone or more than one MI3 subclone; and the assembly was confirmed by restriction digest. The following abbreviations are used to associate primary accession numbers given in the feature table with their source databases: Em:, EMBL; SWISSPROT; Tr:, TREMBL; Wp:, WORMPEP; Information on the WORMPEP database can be found at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Submitted (11-APR-2002) Wellcome Trust Sanger Institute, Hinxton, Cambridgeshire, CB10 15A, UK. E-mail enquiries: humquery@sanger.ac.uk Clone requests: clonerequest@sanger.ac.uk on Apr 12, 2002 this sequence version replaced 91:20135756. During sequence assembly data is compared from overlapping clones. Where differences are found these are annotated as variations together with a note of the overlapping clone name. Note that the variation annotation may not be found in the sequence submission
                                                                                                                                                                                                                                                                                                                                        http://www.sanger.ac.uk/Projects/C_elegans/wormpep RP23-15E24 is from the RPCI-23 Mouse PAC Library constructed by the group of Pieter de Jong. For further details see http://www.chori.org/bacpac/home.htm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mouse DNA sequence from clone RP23-15E24 on chromosome 1, complete
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Corby, N.
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ture 24119. .127554
/note="assembly_fragment:00777.0"
/note="assembly_fragment:00777.0"
37921 a 23572 c 23357 g 42574 t 10
                                                                                                   /clone_lib="RPCI-23"
40695 a 25907 c 27333 g 44916 t
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                                                                                                                                                                                                                                                                     1. .138851
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                                                                                                                                                                                      /chromosome="1"
                                                                                                                                                                                                              /db_xref="taxon:10090"
                                                                                                                                                                                                                                    organism="Mus musculus"
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/chromosome="X"
                                                                                                                                                          /clone="RP23-15E24"
                                                                                                                                                                                                                                                                                         Location/Qualifiers
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1.7%;
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Score 27; DB 10;
Pred. No. 0.001;
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0.001;
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                        Length 138851;
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Direct Submission
Submitted (17-JUL-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
On Jul 13, 2002 this sequence version replaced gi:20303189.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Submitted (19-FEB-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NOTE: Estimated insert size may differ from sequence length (see http://www.hgsc.bcm.tmc.edu/docs/Genbank_draft_data.html).

NOTE: This is a 'working draft' sequence. It currently consists of 50 contigs. The true order of the pieces is not known and their order in this sequence record is
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Chemistry: Dye-terminator Big Dye: 100% of reads
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Consensus quality: 32512 bases at least Q30
Consensus quality: 34515 bases at least Q30
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RESULT 27
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                                                                                                                                                                                                                                                                                                   Submitted (18-JUL-2002) Wellcome Trust Sanger Institute, Hinxton, Cambridgeshire, CB10 1SA, UK. E-mail enquiries: humquery@sanger.ac.uk Clone requests: clonerequest@sanger.ac.uk On Feb 21, 2002 this sequence version replaced gi:17529535. During sequence assembly data is compared from overlapping clones. Where differences are found these are annotated as variations together with a note of the overlapping clone name. Note that the variation annotation may not be found in the sequence submission corresponding to the overlapping clone, as we submit sequences with a small overlap as described above.
                   This sequence was finished as follows unless otherwise noted: all regions were either double-stranded or sequenced with an alternate chemistry or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by at least one plasmid subclone or more than one M13 subclone; and the assembly was confirmed by restriction digest. The following abbreviations are used to associate primary accession numbers given in the feature table with their source databases; Em; EMBL; SW:,
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/db_xref-"FLYBASE:FB9n0022772"
/translation-"MYNKENARSVGQOYKWIGSQDELPPVKNLEHKNYXFYQKCIYGP
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PAFEYLEINGMRLTEPRQAYVQIYKQLTGKTVSWEQAHALLEKRFTTPAPRRVTTVLL
VDELDILCNRRQDVVYNLLDWPTKSAAKLVVVTIANTMDLPERLLMGKVTSRLGLTRL
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VANGDIYHTPTKKSKEPLESAAATEQTPSTRRKSILKSATLABGTPRRSILLSNIV
EQRWFEDDEIISTPKRGRSKKTVQDNDEDYSPKKSVQKTPTRTRRSSTTTKTATTPSK
GITTATATPMTPSQKMKKIRAGELSPSMQQRTDLPAKDSSKSELQLAREQLHVSVVPK
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KLKSTROPMFVSRYRFVKVKRSYRLIPLEIHLEGPEDNARPTRSSRKSLTAHRESKRS
ISAHHDDTAANKGSSVEKRRRASMAASSSVEFIDVNSFICENKVSPIKIVGGRSVYRL
SEKKNAPEINANYLPASPLTEKNAKVETPKSRASAARRNLNLSLDRGADTTADSDCLN
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112. .2886
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                  Bouck, J., Bowle, S., Brieva, M., Brown, E., Bryant, N.P.,
Bouck, J., Bowle, S., Brieva, M., Brown, E., Bryant, N.P.,
Buhay, C., Burch, P., Burkett, C., Burrell, K.L., Byrd, N.C.,
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Chan, G., Chen, R., Chen, Z., Chowdhry, I., Christopoulos, C.,
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Cleveland, C.D., Cox, C., Coyle, M.D., Dathorne, S.R., David, R.,
Davila, M.L., Davis, C., Davy-Carroll, L., Dederich, D.A.,
Delaney, K.R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H.H.,
Delaney, K.R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H.H.,
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Falls, T., Ferraguto, D., Flagy, N., Ford, J., Foster, P., Frantz, P.,
Gabisi, A., Gao, J., Garner, T., Garza, N., Gill, R.,
Garzell, J.H., Guevara, M., Gunaratne, P., Hale, S., Hamilton, K.,
Harris, C., Harris, K., Hart, M., Havlak, P., Hawes, A., Hernandez, J.,
Hernandez, O., Hodgson, A., Holloway, C., Hollins, B.,
Hernandez, O., Hodgson, R., Jolivet, S., Joudah, S.,
Karlsson, B., Jia, Y., Johnson, R., Jolivet, S., Joudah, S.,
Karlsson, B., Jia, Y., Johnson, R., Jolivet, S., Joudah, S.,
Karlsson, B., Kelly, S., Khan, U., King, L., Korvah, J., Kovar, C.,
Karlsson, B., Jia, Y., Johnson, R., Jolivet, S., Joudah, S.,
Karlsson, B., Landry, N., Leal, B., Lewis, L.C., Lewis, L.,
Li, J., Liu, X., Lucier, A., Lucier, R., Luna, R., Ma, J.,
Lozado, R.J., Lu, X., Lucier, R., Luna, R., Ma, J.,
Maheshwari, M., Mapua, P., Martin, R., Martindale, A., Martinez, E.,
Massey, E., Mawhiney, E., Necked, M., Ne, Meador, M., Mei, G.,
Martinez, E., Necked, M., S., Oguh, M., Okwuonu, G.,
Oragunye, N., Nickerson, E., Macken, S., Oguh, M., Okwuonu, G.,
Del
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 (bases 1 to 92874)
Muzny,D.M., Adams,C., Adio-Oduola,B., Ali-osman,F.R., Allen,C., Alsbrooks,S.L., Amaratunge,H.C., Are,J.R., Ayele,M., Banks,T., Barbaria,J., Benton,J., Bimage,K., Blankenburg,K., Bonnin,D.,
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AC112072.3 GI:21744373
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Rattus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalla; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Rattus norvegicus
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***, 50 unordered pieces.
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Contact: humquery@sanger.ac.uk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Center code:
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/clone_lib="NOD mouse library"
8876 c 9129 g 16194 t
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/db_xref="taxon:10090"
/chromosome="1"
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Oviedo, R., Pace, A., Payton, B., Peery, J., Perez, L.
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AUTHORS
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ORGANISM
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VERSION
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                                                                                                                                                       Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC/DCTD/DTP
Tissue Procurement: LTCC/DCTD/DTP
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Baylor College of Medicine Human Genom
                                                                                                                                                                                                                                                                                NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
                                                                                                                                                                                                                                                                                                                                   Direct Submission
Submitted (01-MAY-2002) National Institutes of Health, Mammalian Submitted (01-MAY-2002) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NEDO human cDNA sequencing project supported by Ministry of International Trade and Industry of Japan; cDNA full insert sequencing: Research Association for Biotechnology; cDNA library construction, 5'-& 3'-end one pass sequencing: Departent of Virology and Human Genome Center, Institute of Medical Science, Institute of Medical Science,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Submitted (29-AUG-2000) Sumio Sugano, Institute of Medical Science, University of Tokyo, Laboratory of Genome Structure Analysis, Human Genome Center; Shirokane-dai, 4-6-1, Minato-ku, Tokyo 108-8639, Japan (E-mail:cdnai@ims.u-tokyo.ac.jp, Tel:81-3-5449-5286, Fax:81-3-5449-5416)
    Richards, S.,
                        Yoon, V.S., Kowis, C.R., Lawre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BC028978 2625 bp Homo sapiens, clone IMAGE:3919084,
                                                                                         Web site: http://www.hgsc.bcm.tmc.edu/cdna/
                                                                                                                   Center code: BCM-HGSC
                                                                                                                                         Sequencing Center
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                     Contact: amg@bcm.tmc.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note="highly similar to HUMTFSL1C Homo sapiens transcription factor SL1 mRNA" a 296 c 337 g 424 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="KAT02340"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /cell_type="signet-ring cell carcinoma"
/clone_lib="KAT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
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Gibbs, R.A.
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                        A.M., Lu,
Lawrence,
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                S.W., Hale, S., R.G., Muzny,
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Clone distribution: MGC clone distribution through the I.M.A.G.E. Consortium/LLNL at: Series: IRAK Plate: 42 Row: b Column: 17.

information can be found http://image.llnl.gov

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DEFINITION
ACCESSION
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                                                                                                                                                                                                                                                                                                     rhis clone was sequenced as part of a high-throughput process to sequence clones from Drosophila Gene Collection 1 (Rubin et al., Science 2000). The sequence has been subjected to integrity checks for sequence accuracy, presence of a polyA tail and contiguity within 100 kb in the genome. Thus we believe the sequence to reflect accurately this particular cDNA clone. However, there are artifacts associated with the generation of cDNA clones that may have not been detected in our initial analyses such as internal priming, priming from contaminating genomic DNA, retained introns due to reverse transcription of unspliced precursor RNAs, and reverse transcriptase errors that result in single base changes. For further information about this sequence, including its location and relationship to other sequences, please visit our Web site (http://fruitfly.berkeley.edu) or send email to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Berkeley Drosophila Genome Project
Lawrence Berkeley National Laboratory
Berkeley, CA 94720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (bases 1 to 315)
Stapleton, M., Brokstein, P., Hong, L., Agbayani, A., Carlson, J., Stapleton, M., Brokstein, P., Hong, L., Agbayani, A., Carlson, J., Champe, M., Chavez, C., Dozsett, V., Dresnek, D., Farfan, D., Frise, E., George, R., Gonzalez, M., Guarin, H., Kronmiller, B., Li, P., Liao, G., Miranda, A., Mungall, C.J., Nunco, J., Pacleb, J., Paragas, V., Park, S., Patel, S., Phouanenavong, S., Wan, K., Yu, C., Lewis, S.E., Rubin, G.M. and Celniker, S.
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Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.
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27; Conserv
                                                                                                                                                                                                                                                                                          cdna@fruitfly.berkeley.edu.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence submitted by:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Submitted (03-APR-2002) Berkeley Drosophila Genome Project,
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AY094780
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                                                                                                            /map="43D3-43D3"
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/tissue_type="Skin, melanotic melanoma."
/clone_lib="NIH_MGC_72"
/lab_host="DH10B"
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/db_xref="taxon:9606"
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/note="alignment with genomic scaffold AE003840 and has no introns and polyA tail is encoded in the geno
                                                    /gene="Orc1"
                                                                                                                                          /strain="y; cn bw sp"
/db_xref="taxon:7227"
                                                                                                                                                                                                 /organism≃"Drosophila melanogaster"
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LD11626 full insert cDNA
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                                                                                                                                                                                                                                                                                                                                                                                                             This clone was sequenced as part of a high-throughput process to sequence clones from Drosophila Gene Collection 1 (Rubin et al., Science 2000). The sequence has been subjected to integrity checks for sequence accuracy, presence of a polyA tail and contiguity within 100 kb in the genome. Thus we believe the sequence to reflect accurately this particular cDNA clone. However, there are artifacts associated with the generation of cDNA clones that may have not been detected in our initial analyses such as internal priming, priming from contaminating genomic DNA, retained introns due to reverse transcription of unspliced precursor RNAs, and reverse transcription of unspliced precursor RNAs, and reverse transcription about this sequence, including its location and relationship to other sequences, please visit our Web site (http://fruitfly.berkeley.edu) or send email to
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                                                                                                                                                                                                                                                                                                                                                                        cdna@fruitfly.berkeley.edu.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Lawrence Berkeley National Laboratory, One Cyclotron Berkeley, CA 94720, USA Sequence submitted by:
Berkeley Drosophila Genome Project
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Stapleton, M., Brokstein, P., Hong, L., Agbayani, A., Carlson, J., Champe, M., Chavez, C., Dorsett, V., Dresnek, D., Farfan, D., Frise, E., George, R., Gonzalez, M., Guarin, H., Kronmiller, B., Li, P., Liao, G., Miranda, A., Mungall, C.J., Nunco, J., Pacleb, J., Paragas, V., Park, S., Patell, S., Phouanenavong, S., Wan, K., Yu, C., Lewis, S.E., Rubin, G.M.
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                                                                                                                                  /gene-
/product="LD37258p"
/protein_id="AAM49927.1"
/db_xref="GI:21428534"
                                                                                                                                                                                                                                                                                         /organism="Drosophila melanogaster"
/strain="y; cn bw sp"
                                                                                                         /note="Longest ORF"
                                                                                     codon_start=1
                                                                                                                                                                                db_xref="FLYBASE:FBgn0039126"
                                                                                                                                                                                                                     /gene="CG13601"
                                                                                                                                                                                                                                                                     db_xref="taxon:7227"
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IIGPNHGARQLDYVPPNNKGFKEVVKAAQGRVPVFLDGGVPRGTNVFKALALGASGIF
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2 (bases 1 to 1614)
Sugano,S., Suzuki,Y., Ota,T., Obayashi,M., Nishi,T., Isogai,T.,
Shibahara,T., Tanaka,T. and Nakamura,Y.
                                                                         Ota,T., Suzuki,Y., Obayashi,M., Nishi,T., Nakamura,Y., Isogai,T. and Sugano,S. NEDO human cDNA sequencing project
                                                                                                                                                                                                                                  mRNA,
                                                                 Unpublished
                                                                                                                               Watanabe, K., Kumagai, A., Itakura, S., Yamazaki, M., Tashiro, H.
                                                                                                                                                                                                                                          oligo capping; fis (full insert sequence).
Homo sapiens signet-ring cell carcinoma cell_line:KATO III cDNA to
                                                                                                                                                                                                                                                                                                                       1614 bp mRNA linear PRI 29-SEP-200 Homo sapiens cDNA: FLJ22868 fis, clone KAT02340, highly similar to HUMTFSLIC Homo sapiens transcription factor SL1 mRNA.
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                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                      AK026521.1 GI:10439398
                                                                                                                                                                    Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Sequence 825 from Patent W00179556.
AX285020
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/db_xref="taxon:9606"
312 c 321 g 213
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/translation="myIgvfpaaklgIlaIKqvskpIaNvIKsNaksspffrkyIcmp
PAQFYNWVEKKMWALLMGGRVNVPPLNEAMAIELGANLLGEFIIFSIGAGLLIFEX
SRQTIKENKKULAQSEKMELINNLTEMNFRLERQDAQIREMTRVLADLDSRNIFRWH
KEPIQEYVPFDDDTPDQSASARNPKKFDSLYDPQGGMAFRALHFLDTQIFVDGRNRKA
KEALQHLDEVAVQLEQSLGEAATVAVASSLPTKAADL"

259 c 278 g 243 t
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                                                                                                               Shibahara,T.,
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                                Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/db_xref="taxon:10116"
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contig of 1836
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2 (bases 1 to 487)
2 (bases 1 to 487)
Fu,S., Gu,Y., Li,Y., Peng,Y., Gu,J., Zhang,L., Jiang,C., Yu,Y., Fu,G., Wang,Y., Chen,Z. and Han,Z.
Direct Submission
Submitted (12-MAY-1999) Chinese National Human Genome Center at Shanghai, 351 Guo Shoujing Road, Zhangjiang Hi-Tech Park, Pudong, Shanghai 201203, P. R. China
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 (bases 1 to 487)
Fu,S., Gu,Y., Li,Y., Peng,Y., Gu,J., Zhang,L., Jiang,C., Yu,Y.,
Fu,G., Wang,Y., Chen,Z. and Han,Z.
A novel gene expressed in human adrenal gland
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Medicago sativa.
Medicago sativa
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids I; Fabales; Fabaceae; Papillonoideae; Trifolieae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Medicago sativa glycolate oxidase mRNA, AF082874
                                                                                                                                                                                                                                                                                                                  Submitted (07-AUG-1998) Plant Biotechnology Division, Dept of Plant Agriculture, University of Guelph, Crop Science Building, Guelph,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 (bases 1 to 1086)
Stout, J.M. and McKersie, B.D.
                                                                                                                                                                                                                                                                                                                                                                  Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                        Stout, J.M. and McKersie, B.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gene expression in alfalfa
                                                                                                                                                                                                                                                                                                                                                                                                              (bases 1 to 1086)
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/protein_id="AAF67473.1"
/db_xref="GI:7688665"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                translation="MVKLSKEAKQRLQQLFKGSQFAIRWGFIPLVIYLGFKRGADPGM/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /tissue_type="adrenal gland"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="Homo sapiens"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                             /organism="Medicago sativa"
/db_xref="taxon:3879"
/clone="N4-4-2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /codon_start=
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DRNVVAQLVRRAEKAGFKAIALTVDTPRLGRREADIKNRFVLPPFLTLKNFEGLNLGK
                                    /product="glycolate oxidase"
/protein_id="AAC32392.1"
/db_xref="GI:3435306"
                                                                                                          /codon_start=2
                                                                                                                                                     /tissue_type="shoot apical meristem"
                                                                                                                                                                                                                                                                      ocation/Qualifiers
                   translation="EYATARAASAAGTIMTLSSWATSSVEEVASTGPGIRFFQLYVYK"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Alsbrooks, S.L., Amaratunge, H.C., Are, J.R., Ayele, M., Banks, T., Alsbrooks, S.L., Amaratunge, H.C., Are, J.R., Ayele, M., Banks, T., Barbaria, J., Benton, J., Binage, K., Blankebburg, K., Bonnin, D., Bouck, J., Bowle, S., Brieva, M., Brown, E., Brown, M., Bryant, N.P., Burkett, C., Burch, P., Chen, R., Chen, R., Chen, E., Cavazos, S.R., Chacko, J., Chavez, D., Chen, G., Chen, R., Chen, Z., Chowdhry, I., Christopoulos, C., Cleveland, C.D., Cox, C., Coyle, M.D., Dathorne, S.R., David, R., Dalaney, K.R., Dayis, C., Davy-Carroll, L., Dederich, D.A., Delaney, K.R., Delgado, O., Denn, A.L., Dingy, V., Dinh, H.H., Douthwaite, K.J., Draper, H., Dugan-Rocha, S., Durbin, K.J., Earnhart, C., Edgar, D., Edwards, C.C., Elhaj, C., Escotto, M., Falls, T., Ferraguto, D., Flagg, N., Ford, J., Foster, P., Frantz, P., Gabisi, A., Gao, J., Garcia, A., Garner, T., Garza, N., Gill, R., Gorrell, J.H., Guevara, W., Gunaratne, P., Hale, S., Hamilton, K., Harris, C., Hartis, K., Hart, M., Havlak, P., Hawes, A., Hernandez, J., Howard, S., Huber, J., Hallyk, S., Hume, J., Jackson, E., Kally, S., Huber, J., Kally, K., Johnson, R., Jolivet, S., Joudah, S., Kartovic, J., Krath, J., Lundry, N., Loudah, S., Kartovic, J., Krathy, S., Khan, U., King, L., Korah, J., Louas, R., Martinade, J., Luna, R., Ma, J., Johnson, E., Martin, R., Martindale, A., Martinez, E., Maheshwari, M., Mapua, P., Martin, R., Martindale, A., Martinez, E., Maheshwari, M., Mapua, P., Martin, R., Martindale, A., Martinez, E., Maheshwari, M., Mapua, P., Martin, R., Martindale, A., Martinez, E., Maheshwari, R., Primus, E., Pull, L., Wollies, M., Martinez, E., Pitch, J., Pickens, R., Primus, E., Pull, L., Wolles, M., Martinez, E., Pitch, M., Stanley, H., Stone, H., Sucher, S., Scott, G., Shen, H., Shoshtari, N., Sisson, I., Fang, C., Wull, J., Stone, H., Tang, J., Walles, M., Tang, H., Thomas, N., Thomas, S., Wallamson, A., Waller, R., Waodon, S., Wallamson, S., Warren, R., Washington, C., Watlington, S., Wallamson, A., Waller, R., Washington, C., Wannin, R., Wanning, O., W
                                                                                                                                                                                                                                                                                            Submitted (18-JUL-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Submitted (29-MAY-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
                                                                                                                                                                                                                                                          Baylor Plaza,
On Jul 2, 200
                                                                                                                                                                                                                                                                                                                                                                                            Direct Submission
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                                                                                                                                                                                                                                                Jul 2, 2002 this sequence version replaced gi:21240186
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Center project name: GUSG Center clone name: CH230-
                                                                                         Center code: BCM
Web site: http://www.hgsc.bcm.tmc.edu/
Contact: hgsc-help@bcm.tmc.edu
                                                                                                                                                                                         Center: Baylor College of Medicine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Submission
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                                                      Project Information
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NOTE: Estimated insert size may differ from sequence length (see http://www.hgsc.bcm.tmc.edu/docs/Genbank_draft_data.html).

NOTE: This is a 'working draft' sequence. It currently consists of 52 contigs. The true order of the pieces is not known and their order in this sequence record is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence
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Chemistry: Dye-terminator Big Dye: 100% of r
Assembly program: Phrap: version 0.990329
Consensus quality: 82161 bases at least Q30
Consensus quality: 88014 bases at least Q30
Consensus quality: 92229 bases at least Q20
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21884: contig
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11581: gap of
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12752: gap of
13756: contig
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COMMENT
Db 103249 GTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGAGCAAAGTGC 103203
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                                                     122 GTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGC 168
                                                                                                        Local Similarity nes 47; Conserv
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On Jul 5, 2002 this sequence version replaced gi:21426614.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       * NOTE: This is a 'working draft' sequence. It currently consists of 5 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown.

* This record will be updated with the finished sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Quality coverage: 0.00 in Q20 bases; agarose-fp Quality coverage: 11.62 in Q20 bases; sum-of-contigs
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Insert size: 212112; sum-of-contigs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Contact: submissions@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Web site:http://genome.wustl.edu/gsc/index.shtml
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                                                                                                                                                                                                                                                                                                                                   /note="assembly_name:Contig10"
49555. .107384
                                                                                                                                                                                                                                                                                   /note="assembly_name:Contig11"
107485. .209885
                                                                                                                                                                                                                                /note="assembly_name:Contig12"
44784 c 46164 g 58745 t
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11432. .28617
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/chromosome="UNK"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism="Mus musculus"
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                                                                                                                                                                                                                                                                                                                                                                                                           note="assembly_name:Contig9"
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11431: gap of unknown length
28617: contig of 17186 bp in length
28717: gap of unknown length
49454: contig of 20737 bp in length
49554: gap of unknown length
107384: contig of 57830 bp in length
107484: gap of unknown length
107484: gap of unknown length
209885: contig of 102401 bp in length.
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RESULT 18 AB041649

AC123338/c

DEFINITION

AC123338 125703 bp DI Rattus norvegicus clone CH230-71J19,

DNA linear 9, *** SEQUENCING

IN PROGRESS HTG 18-JUL-2002

linear

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REFERENCE
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                                                                                                                                                                                                            Local
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| pME18S-FL3 |
| Ist strand cDNA was primed with an oligo(dT) primer |
| Ist strand cDNA was primed with an oligo(dT) primer |
| Ist strand cDNA was primed with an oligo(dT) primer |
| Ist strand cDNA was primed with an oligo(dT) primer |
| Ist strand cDNA was primed with an oligo(dT) primer. The PCR |
| product was digested with Sfil and size selection was performed to exclude fragments <1.5kb.The Sfil-digested PCR product was cloned into distinct DraIII sites of pmE18S-FL3. XhoI sites just outside the DraIII sites can be used to isolate the cDNA insert. Library was constructed by Sugano et al.(University of Tokyo, Institute of Medical Science). Custom primer used for sequencing ( 5' end primer [CTTCTGCTCTAAAAGCTGCG];  3' end primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mus musculus brain cDNA, clone MNCb-0671. AB041649
                                                                                                                                                                                 38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1-chome, Shinjuku-ku, Tokyo 162-8640, Japan
(E-mail:khashi@nih.go.jp, URL:http://www.nih.go.jp/yoken/genebank/
Tel:81-3-5285-1111(ex.2120), Fax:81-3-5285-1181)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Direct Submission Submitted (13-APR-2000) Katsuyuki Hashimoto, National Institute of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2 (bases 1 to 1797)
Hashimoto,K., Osada,N., Kusuda,J. and Sugano,S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Osada, N., Kusuda, J., Tanuma, R., Ito, A., Hirata, M., Sugano, S. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mus musculus
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Mus musculus (strain:C57BL) adult female cDNA to mRNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               made by oligo-capping method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hashimoto, K.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Infectious Diseases, Division of Genetic Resources; 23-1, Toyama
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            isolation of full-length cDNA clones from mouse brain cDNA library
                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         [CGACCTGCAGCTCGAGCACA] ).
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                                                                                                                                                                                                                                                                                                        /translation="MWVLGIAATFCGLFWLPGLALQIQCYQCEEFQLINDCSSDEFIV
NCTVNVQDMCQKEVTEQSAGIMYRKSCASSAACLIASAGYQSFCSPGKLNSVCISCCN
TPLCNGPRPKKRGSSASAIRPGLLTTLLFFHLALCLAHC"
487 c 511 g 408 t
                                                                                                                                                                                                                                                                                                                                                                                                              /protein_id="BAA95101.1"
/db_xref="GI:7670500"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /clone_lib="Sugano mouse brain mncb"
/dev_stage="adult"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /strain="C57BL"
/db_xref="taxon:10090"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /codon_start=:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note="unnamed protein product"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /sex="female
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /clone="MNCb-0671"
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                                                                                                                                                                                                         Score 38; DB 10;
Pred. No. 3.2e-1
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                                                                                                                                                                                                            3.2e-10;
                                                                                                                                                                                                                                    Length 1797;
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                                                                                                               /note="match to EST BG200048 (NID:g13721735)"
15767. .15789
      /note="match to EST BG704350 (NID:g13977603)"
                                   /note="CpG_island (%GC=68.0, o/e=0.80, #CpGs=194)"
16665. .17055
                                                                        /rpt_family="AT_rich"
15864. .18081
                                                                                                                                                                                                                                                                                                                                                 /note="match to EST BG704350 (NID:g13977603)"
15183. .15321
                                                                                                                                                                                                                                                                                                          /note="match to EST BG753617 (NID:g14064270)"
15183. .15321
                                                                                                                                                               /note="match to EST BG187166 (NID:g13708853)
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8373. .8683
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991. .1176
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991. .1176
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity 100.0%; res 142; Conservative 0;
              Submitted (14-JUN-2002) Genome Sequencing Center, 4444 Forest Park Parkway, St. Louis, MO 63108, USA 3 (bases 1 to 209885) MCPherson, J.D. and Waterston, R.H.
Direct Submission
                                                                                               Direct Submission
                                                                                                             2 (bases 1 to 209885)
McPherson, J.D. and Waterston, R.H.
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McPherson, J.D. and Waterston, R.H.
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MUS muscullus chromosome UNK clone RP23-462P13, WORKING DRAFT
SEQUENCE, 5 unordered pieces.
                                                                                                                                                       The sequence of Mus musculus clone Unpublished
                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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/note="similar to Bos taurus EST BE682268 (NID:g10067956)"
19873. .20090
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'note="match to EST R54748 (NID:g819270) yj75b04.rl"
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7. .19184
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            3 (bases 1 to 147131)
Waterston, R.H.
Direct Submission
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                                                                                                                                                                        Mammalia; Eutheria; Primates; 1 (bases 1 to 147131) Sulston, J.E. and Waterston, R.
                                             Unpublished (2001) 3 (bases 1 \leftrightarrow 147
                                                                    VanBrunt, A. and Strowmatt, C.
The sequence of Homo sapiens
                                                                                                                9847074
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                                                                                                                                             Toward a complete human genome sequence Genome Res. 8 (11), 1097-1108 (1998)
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 Submitted (28-SEP-1999) Genome Sequencing Center, Washington
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478 from Patent EP1067182.
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198 c 173 g
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AUTHORS
TITLE
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                                                                                                                                                                                                   JOURNAL
                                                                                                                                                     Submitted (01-MAR-2002) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 6 On Mar 1, 2002 this sequence version replaced gi:13435273
                                                                                                                                                                                                                                                                                                        Direct Submission
Submitted (23-MAR-2001) Genome Sequencing Center, Washington
University School of Medicine, 4444 Forest Park Parkway, St.
                                                                                                                                                                                                                                                                                                                                                                           4 (bases 1 to 147131) Waterston, R.H.
                                                                                                                                                                                                                                                                                                                                                                                                                       University School of Medicine, 4444 Forest Park Parkway, MO 63108, USA
                                                                                                                                                                                                                                               Waterston, R.
                                                                                                                                                                                                                                                                                      MO 63108,
                                                                                                                                                                                                                        Direct Submission
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Center project name: H_NH0159N20
                       Contact: sapiens@watson.wustl.edu
                                                                                       Center: Washington University Genome Sequencing Center Center code: WUGSC
                                                                Web site: http://genome.wustl.edu/gsc
                                                                                                                                     ----- Genome Center
                                                                                                                                                                                                                                                                                             USA
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COMMENT

TITLE

NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap between neighboring data submissions.

all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by This sequence was finished as follows unless otherwise noted: restriction digest.

MAPPING INFORMATION:
Mapping information for this clone was provided by Dr. John D. Mapping information for this clone was provided by Dr. John D. McPherson, Department of Genetics, Washington University, St. Mapping Control of Cont sequence, see http://genome.wustl.edu/gsc . Louis

The RPCI-II human BAC library was made from the blood of one male donor, as described by Osoegawa, K., Woon, P.Y., Zhao, B., Frengen, E. Tateno, M., Catanese, J.J. and de Jong, P.J. (1998) An improved approach for construction of bacterial artificial chromosome libraries. Genomics 51:1-8. The clone may be obtained either from Research Genetics, Inc. (http://www.resgen.com) or Pieter de Jong and coworkers at http://www.chori.org SOURCE INFORMATION: рвасез.6 Frengen, E.,

NEIGHBORING SEQUENCE INFORMATION:
The clone sequenced to the right is RP11-458A7, 200 bp overlap; the clone sequenced to the right is RP11-258B17. Actual start of this clone is at base position 1 of RP11-159N20; actual end is at base position 147131 of RP11-159N20.

There are polymorphic base differences clone RP11-159N20 and RP11-258B17. in the overlap between the

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FEATURES
                                                                                                                                                        source
                            repeat_region
/rpt_family="L1" 984. .1176
                          /rpt_family="MIR" 118. .1013
                                                        /clone_lib="RPCI-11"
21 .67
                                                                                              /map="2"
                                                                                                               /db_xref="taxon:9606"
/chromosome="2"
                                                                                    /clone="RP11-159N20"
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Best Local
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90 GCTCCTCCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAG 149
              90 GCTCCTCCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAG 149
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                                                             30 CAGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACT 89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    131 CTTGACAGCTTCTTTTGCCACAAGCAAGAGAATTTAACACTGTTTCAAACCCGGGGGA
                                                                             30 CAGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACT 89
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                                                                                                                                                      Local Similarity
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                                                                                                                                                                                                                                                                                                               Ovarian tumor sequences and methods of use therefor Patent: WO 0118046-A 199 15-MAR-2001; CORIXA CORPORATION (US)
                                                                                                                                                                                                                                                                                                                                                             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 369) xu,J. and Stolk,J.A.
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109 c 90 g
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113 c 94 g
                                                                                                                           19.5%; Score 315; DB 6; Lv 100.0%; Pred. No. 6.3e-174; ative 0; Mismatches 0;
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                                   311 CGGGCCAAGG
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                                                                                                                                                181 CCGCAAGTCCTGTGCATCAGCGGCCTGTCTCATCGCCTGTGCGGGGTACCAGTCCTT 240
                                                                                                                                                                                                                                                                61 GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 120
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Ax093191
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/db_xref="taxon:9606"
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100.0%; Pred. No. 5.6e-171;
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                                                                                                                     1325 ATACGGCCAATGTCACAACAATCAGCC 1351
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//LGNSATIRVTOVLQKKGYLQKEVTDHWVSLACSDILVFLIGMPMEFYSIIWHPLTTS
LLGNSATIRVTOVLQKKGYLQKEVTDHWVSLACSDILVFLIGMPMEFYSIIWHPLTTS
SYTLSCKLHTFLFEACSYATLLHVLTLSFERVIAICHFPRYKAVGPCQVKLLIGFVW
SYTLSCKLHTFLFEACSYATLHVLTLSFERVIAICHFPRYTHHEQPETSNMSICTNLSSRYT
TSALVALFLLFAMGTEYPLVNVPSHRGLTCNRSSTRHHEQPETSNMSICTNLSSRYT
VTGALVALFULSVAFMCWMMQVLMKSQKGSLAGGTRPPQLRKSESEESRT
VRQSSIEGAFVYYLVVLLSVAFMCWMMQVLMKSQKGSLAGGTRPPQLRKSESEESRT
ARROTIIFLRLIVVTLAVCWMPNQIRRIMAAKFKHDWTRSYFRAYMILLFESETFFY
ARROTIIFLLIVVTLAVCWMPNQIRRIMAAKFKHDWTRSYFRAYMILLFESETFFY
ARROTIIFLLIVVTSQQQFRRVFVQVLCCRLSLQHANHEKRLRVHAHSTTDSARFVQRPL
LSSVINPLLYTVSSQQFRRVFVQVLCCRLSLQHANHEKRLRVHAHSTTDSARFVQRPL
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/db_xref="taxon:9606"
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/dev_stage="fetal"
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/db_xref="GI:2654161"
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Pred. No. 6.9e-216;
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Best Local Similarity
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                                                                                      AUTHORS
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AX136698
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Secretory protein or membrane protein patent: EP 1067182-A 620 10-JAN-2001; Helix Research Institute (JP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ota, T., Isogai, T., Nishikawa, T., Kawai, Y., Sugiyama, T. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 587)
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AX150120
                         1 (bases 1 to 444)
Kroes, R.A., Moskal, J.R. and Yamamoto, H.
Differential gene expression in cancer
Patent: WO 0136685-A 95 25-MAY-2001;
NYXIS NeuroTherapies, Inc. (US)
Location/Qualifiers
                                                                                                                                               Homo sapiens
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162 c 140 g
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/organism="Homo sapiens"
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                                                                                                                                    Chordata; Craniata; Vertebrata; Euteleostomi;
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Pred. No. 4.5e-204;
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                                                                                                                                                                                                                                                                                        Galvin,K.A. and Rudolph-Owen,L.A. Methods and compositions for the diagnosis and treatment cardiovascular and tumorigenic disease using 4941 Patent: WO 0181634-A 1 01-NOV-2001; Millennium Pharmaceuticals, Inc. (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1 from Patent W00181634
                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota;
                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalla; Eutheria; Primates; Catarrhini; Hominidae;
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                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
/translation-"MASPSLPGSDCSQIIDHSHVPEFEVATWIKITLILVYLIIFVMG
LLGNSATIRVTOYLQKKGYLQKEVTDHAVSLAQSDILVFLIGHMETYSI INWPLTTS
SYTLSCKLHTELFEAGSYSATLLHVITLSFERY IAIGHPERY KAVSGPCQVKLLIGFVW
VTSALVALPLLFAMGTEYPLVNVPSHRGITCNKSSTRHHEQPETSNMSICTNKLSGRVW
VTSALVALPLLFAMGTEYPLVNVPSHRGITCNKSSTRHHEQPETSNMSICTNKLSGRVW
VTGQSSIFGAFVVYLVVLLSVAFMCWNMMQVLMKSQKGSLAGGTRPPDQLRKSBSEESRT
ARRQTIFFLKIVVTLAVCMMPNQIRRIMAAAKPKHDWTRSYFRAYMILLPESETFFY
LSSVINPLLYTVSSQQFRRVFVQVLCCKLSLQHANHEKRLRVHAHSTTDSARFVQPBL
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                                                                                                                                        /codon_start=1
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/db_xref="GI:17901490"
                                                                                                                                                                                                                      /organism="Homo sapiens"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                           1. .1362
                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                        /note="unnamed protein
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REFERENCE
AUTHORS
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ORGANISM
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AF034633/c
                                                                                                                                                                                                                                                                                                                   ACCESSION
VERSION
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MEDLINE
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                                                TITLE
                                                                                                                                                                                  TITLE
                                                                                                                                                                                                              AUTHORS
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                                                                                                                                                                                                                                                                                                                               Homo sapiens complete cds. AF034633
2 (bases 1 to 1362)

MCKee, K.K., Tan, C.P., Palyha, O.C., Liu, J.

Hreniuk, D.L., Smith, R.G., Van Der Ploeg, L

Direct Submission

Submitted (17-NOV-1997) Biochemistry and

Inc., PO Box 2000, Rahway, NJ 07065, USA

Location/Qualifiers
                                                                                             9441746
2 (base
                                                                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 1362)

MCKee, K.K., Tan.C.P., Palyha,O.C., Liu,J., Feighner,S.D., Hreniuk,D.L., Smith,R.G., Howard,A.D. and Van der Ploeg,L.H. Cloning and characterization of two human G protein-coupled receptor genes (GPR38 and GPR39) related to the growth hormone
                                                                                                                       secretagogue and neurotensin receptors
Genomics 46 (3), 426-434 (1997)
98110578
                                                                                                                                                                                                                                                                     Homo sapiens.
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Pred. No. 6.9e-216;
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                                                        Ploeg,L.H.T. and Howard
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                            Physiology, Merck and Co.,
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                                                         and Howard, A.D.
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                                                                          CCACCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCAACCCCCACCTCCCTGAGTGA 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 648;
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                             GTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGTGTTCTCTTTTGTT
                                                                                                                                                                                                                                 CACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATG 420
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nisc_mgc@nhgri.nih gov
Shevchenko,Y., Wetherby,K.D., Beckstrom-Sternberg,S.M.,
Bhevshenko,Y., Wetherby,K.D., Beckstrom-Sternberg,S.M.,
Benjamin,B., Blakesley,R.W., Bouffard,G.G., Brinkley,C., Brooks,S.,
Benjamin,B., Blakesley,R.W., Bouffard,G.G., Karline,E., Legaspi,R.,
Dietrich,N.L., Guan,X., Gupta,J., Ho,S.-L., Karline,E., Legaspi,R.,
Lim,M., Maduro,Q.L., Masiello,C., Mastrian,S.D., McCloskey,J.C.,
McDowell,J., Pearson,R., Snyder,B., Stantripop,S., Thomas,P.J.,
Tjongson,E.E., Touchman,J.W., Tsurgeon,C., Vogt,J.L., Walker,M.A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
Series: IRAL Plate: 39 Row: b Column: 19
This clone was selected for full length sequencing because it
passed the following selection criteria: Hexamer frequency ORF
analysis, Similarity but not identity to protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Clone distribution: MGC clone distribution information can be found
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           197
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /product="Unknown (protein for MGC:29643)"
/protein_id="AAH17318.1"
/db_xref="GI:16878240"
/translation="MWIGIAATFCGLFLLPGFALQIQCYQCEEFQLNNDCSSPEFIV
NCTVNYQDMCQKEVMEQSAGIMYRKSCASSAACLIASAGYQSFCSPGKLNSVCISCCN
TPLCNGPRPKKRGSSASALRPGLRTTILFLKLALFSAHC"
3 292 c 261 g 196 t
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/clone="MGC:29643 IMAGE:3641660"
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
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Homo sapiens, clone IMAGE:4026092,
BC011449
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Clone distribution: MGC clone distribution information can be for through the I.M.A.G.B. Consorthum/LLNL at: http://lmage.llnl.gov Series: IRAL Plate: 25 Row: n Column: 18 This clone was selected for full length sequencing because it passed the following selection criteria: Hexamer frequency ORF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NIH-MGC Project URL: http://mgc.nc1.n1h.gov
Contact: MGC help desk
Email: cgapbs-remail.nth.gov
Tissue Procurement: ATCC/DCTD/DTP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Direct Submission
Submitted (25-JUL-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cDNA Library Preparation: Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium
DNA Sequencing by: Institute for Systems Biology
http://www.systemsbiology.org
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Anup Madan, Rachel Dickhoff, Jessi
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                                                                                                                                                                                                                                                                                                                            /tissue_type="Skin, melanotic melanoma.
/clone_lib="NHH_MGC_20"
/lab_host="DH10B-R"
/note="Vector: pOTB7"
/note="Vector: pOTB7"
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/db_xref="taxon:9606"
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Pred. No. 1
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NII-MGC Project URL: http://mgc.nci.nih.gov Contact: MGC help desk Email: cgapbs remail.nih.gov Tissue Procurement: ATCC CDNA Library Preparation: Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: National Institutes of Health Intramural Sequencing Center (NISC), Gaithersburg, Maryland; Web site: http://www.nisc.nih.gov/	Strauberg, F Direct Submi Submitted (C Gene Collect Institute, 3	×	BC017318 Homo sapiens, clone MG	GCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT 1890	CTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT 1599	85	TTC 155	CCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTCAGTGTTGGACTTG	TTA 173	CAGAGAAAAAAAACAACAGCATGAGAACACAGTAAATGAATAAAACCATAAAATATTTA 1439	CAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGGAG	CCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGAGAGA 13	CTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCGAATCTGGTTGGGCAT 1319		GCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGA 125	CACGAACACCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGA 1199	ACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCACCACCACCACCACCACCACCACCA	ACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCAGCACAGCACCTTG 1139	PACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGT 1371	GACGCGAAGAGCAACGGGGCGCTGCACAAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGT 10	CGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCGTTGCAGAGGACTGGCGCCGG 131	

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                                CCTTAGAAGTCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATC
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CCTTAGAAGTCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATC
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LLGNSAPIRVTQVLQKKGYLQKEVTDHAVSLACSDIILVFLIGHMEFTSIIWPLTTS
SYTLSCKLHTFLFEACSYATLLHVTLISFERVIAIGHEFRYKAVSGCQVKLLIGFVM
VTSALVALFLLFAMGTEYFLVNVPSHRGLTCNRSSTRHHEQPETSNMSICTNLSSRWT
VFQSSIFGAFVVZLVVLLSVARMCWNMMQVLMKSQKGSLAGGTRPFPQLRKSESEESRT
ARRQTIFLRLIVVTLAVCMMPNQIRRIMAARKHIDWTRSVFRAYMILLPSETTFF
LSXVINPLLYTVSQQOFRAVFVQVLCCKLSLQHANHEKRLRVHAHSTTDSARFVQRFL
LSXSRRQSSARRTEKIFLSTFQSEAEPQSKSQSLSLESLEPNSGAKPANSAAENGFQE
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42. .1403
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/db_xref="GI:17901492"
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                                                                                               /db_xref="taxon:9606"
274. .771
/protein_id="CAC39782.1"
/db_xref="GI:14272688"
/translation="MWLGIAATFCGLFLLPGFALQIQCYQCEEFQLNNDCSSPEFIV
NCTVNVQDMCQKEVMEQSAGIMYRKSCASSAACLIASAGYQSFCSPGKLNSVCISCCN
                                                                                                                                                         Location/Qualifiers
                                                                              /note="unnamed protein product"
                                                                                                                           /organism="Homo sapiens"
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GGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACTTGACAGCTTCTTTTGCCACAAGCA 718
                                                                                                GGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACTTGACAGCTTCTTTTGCCACAAGCA 1521
                                                                                                                                                     TGAGAACACAGTAAATAAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACT 658
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Series: IRAL Plate: 25 Row: n Column: 18
This clone was selected for full length sequencing because it
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 passed the following selection criteria: Hexamer
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/db_xref="taxon:9606"
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/tlssue_type="Skin, melanotic melanoma."
/clone_lib="NIH_MGC_20"
/lab_host="DH10B-R"
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Pred. No. 9.8e-205;
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              Best Local Similarity
                              Query Match
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URL: http://www.nih.go.jp/yoken/genebank/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    fis (full insert sequence).
Mus musculus (strain:C57BL) adult female cDNA to mRNA.
Clone_lib_Sugano mouse brain mncb clone:MNCb-0671.
                                                                                                                                                                                                                                                                                                                                                                                                            Unpublished
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2 (bases 1 to 1797)
Hashimoto,K., Osada,N., Kusuda,J. and Sugano,S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               made by oligo-capping method
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                                                                                                   /protein_id="BAA95101.1"
/db_xref="GI:7670500"
/translation="mwvlgiaatfcglfwlpglalqiqcyqceefqlnndcsspefiv
/translation="mwvlgiaatfcglfwlpglalqiqcyqceefqlnndcsspefiv
nctvnvQdmcQxevtegsaginvrkscassaactliasacyQsfcspgklnsvcisccn
TplcngprpkkrgssasairpgllttllffhlalclahC"
                                                                                                                                                                                                                                                                                                             /strain="C57BL"
/db_xref="taxon:10090"
                                                                                                                                                                                         /codon_start=1
                                                                                                                                                                                                                                                                                                                                              /organism="Mus musculus
                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                         /note="unnamed protein product"
                                                                                                                                                                                                                                        /dev_stage="adult"
                                                                                                                                                                                                                                                          /clone_lib="Sugano mouse brain mncb"
                                                                                                                                                                                                                                                                              /sex="female"
                                                                                                                                                                                                                                                                                               /clone="MNCb-0671"
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72.5%;
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CTCCTGGAGGAAGAGTTACTGCGCCGGGAGGCTAGGAAGATGAGGGGGCTGCGGGCTGAG 1415
                                       CTCCTTGCAGAGGACT-----GGCGCCGGGACGCGAAGAGCAACGGGGGCGCTGCACAAAG 1049
                                                                                   GGCTTAGCCTCTCCAGGCTTGGCCTCAGTCTGAAAAGTGCTTAAGAAAACCTTGTTAGTT
                                                                                                         GACTTAGACT---GGGCCTCGCCTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTT 995
                                                                                                                                                                    GTGGACCCAGCTGGTTTGGTCTCTGAGCCAGTCTGTGGTGACTCAGGACTCAAGGGCTGG
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FEATURES

Location/Qualifiers

Clone distribution: MGC clone distribution information can be through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.g. Series: IRAL Plate: 39 Row: b Column; 19
This clone was selected for full length sequencing because it passed the following selection criteria: Hexamer frequency ORR analysis, Similarity but not identity to protein.

information can be found http://image.llnl.gov

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KEYWORDS
SOURCE
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    Contact:

nisc_mgc@nhgri.nih.gov
Shevchenko,Y., Wetherby,K.D., Beckstrom-Sternberg,S.M.,
Benjamin,B., Blakesley,R.W., Bouffard,G.G., Brinkley,C., Brooks,S.,
Benjamin,B., Blakesley,R.W., Bouffard,G.G., Karlins,E., Legaspi,R.,
Dietrich,N.L., Guan,X., Gupta,J., Ho,S.-I., Karlins,E., Legaspi,R.,
Lim,M., Maduro,Q.L., Masiello,C., Mastrian,S.D., McCloskey,J.C.,
McDowell,J., Pearson,R., Snyder,B., Stantripop,S., Thomas,P.J.,
Tiongson,E.E., Touchman,J.W., Tsurgeon,C., Vogt,J.L., Walker,M.A.,
                                                                                                                                                                                                                 CDNA Library Preparation: Rubin Laboratory CDNA Library Arrayed by: The I.M.A.G.E. Col DNA Sequencing by: National Institutes of 1 Sequencing Center (NISC),
Zhang, L.-H. and Green, E.D.
                                                                                                                                                                                  Web site:
                                                                                                                                                                                                                                                                                                              Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
                                                                                                                                                                                                                                                                                                                                                                                                                  Direct Submission
Submitted (05-NOV-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                   Gaithersburg, Maryland;
                                                                                                                                                                                                                                                                                                                                                             Contact: MGC help desk
                                                                                                                                                                                                                                                                                                                                                                              NIH-MGC Project URL: http://mgc.nci.nih.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Strausberg, R.
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    Mus musculus chromosome UNK clone SEQUENCE, 5 unordered pieces.
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TPLCNGPRPKKRGSSASALRPGLRTTILFLKLALFSAHC"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note="Vector: pOTB7" 261. .686
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /tissue_type="Pancreas, adenocarcinoma"
/clone_lib="NIH_MGC_39"
/lab_host="DH10B-R"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Submitted (14-JUN-2002) Genome Sequencing Center, 4444 Forest Park Parkway, St. Louis, MO 63108, USA 3 (bases 1 to 209885) McPherson, J.D. and Waterston, R.H. Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Insert size: 206000; agarose-fp
Insert size: 212112; sum-of-contigs
Quality coverage: 0.00 in Q20 bases; agarose-fp
Quality coverage: 11.62 in Q20 bases; sum-of-contigs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Submitted (05-JUL-2002) Genome Sequencing Center, 4444 Fo: Parkway, St. Louis, MO 63108, USA On Jul 5, 2002 this sequence version replaced gi:21426614
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McPherson, J.D. and Waterston, R.H.
The sequence of Mus musculus clone
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Web site:http://genome.wustl.edu/gsc/index.shtmlContact: submissions@watson.wustl.edu
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McPherson, J.D. and Waterston, R.H.
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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AC124493.2 GI:21699722
                                                                                                                                                                                                                                                                                                                                                                                                                     NOTE: This is a 'working draft' sequence. It currently consists of 5 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.
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11432
28618
28718
49455
49555
107385
107485
/note="assembly_name:Contig9"
28718. .49454
                                         /note="assembly_name:Contig8" 11432. .28617
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                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                         11331: contig of 11331 bp in length
11431: gap of unknown length
28617: contig of 17186 bp in length
28717: gap of unknown length
49454: contig of 20737 bp in length
49554: gap of unknown length
107384: contig of 57830 bp in length
107484: gap of unknown length
107484: gap of unknown length
209885: contig of 102401 bp in length.
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                                                                                                                                                                                                                                                                                                                                             Methods and compositions for the diagnosis and treatment cardiovascular and tumorigenic disease using 4941 Patent: WO 0181634-A 1 01-NOV-2001;
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            /translation="MASPSLPGSDCSQIIDHSHVPEFEVATWIKITLILVYLIIFVMG LLGNSATIRVTQVLQKKGYLQKEVTDHMVSLACSDILVFLIGWEFYSLIWHPLTTS SYTLSKLHTFLFEAGSYATLHVLTLSFERYIALFERYIALFEKAVSGPCQVKLLIGFVW VTSALVALPLLFAMGTEYPLVMVPSHRGLTCNRSSTEHFEQDETSNMSICTNLSSRWT VFQSSIFGAFVYYLVVLLSVAFMCWNMMQVLMKSQKGSLAGGTRPPQLRKSESEESRT ARRQTIIFLRLIVYTLAVCMMENQIRRIMAAAKPKHDWTRSYFRAYMILLPFSETFFY
                                                                                                                                   /protein_id="CAD19381.1"
/db_xref="GI:17901490"
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/db_xref="taxon:9606"
                                                                                                                                                                               /codon_start=1
LSSVINPLLYTVSSQQFRRVFVQVLCCRLSLQHANHEKRLRVHAHSTTDSARFVQRPI
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2 (bases 1 to 1362)

MCKee, K.K., Tan, C.P., Palyha, O.C., Liu, J., Feighner, S.D.,

Hreniuk, D.L., Smith, R.G., Van Der Ploeg, L.H.T. and Howard, A.D.

Direct Submission

Submitted (17-NOV-1997) Biochemistry and Physiology, Merck and Co.,

Submitted (10-NOV-1997) Biochemistry and Physiology, Merck and Co.,
                                                                                                                                                               Mammalia; Eutheria; Primates; Catarrhin; Hominidae; Homo.

1 (bases 1 to 1362)

McKee, K. K., Tan.C. P., Palyha,O.C., Liu,J., Feighner,S.D.,
Hreniuk,D.L., Smith,R.G., Howard,A.D. and Van der Ploeg,L.H.

Cloning and characterization of two human G protein-coupled
receptor genes (GPR38 and GPR39) related to the growth hormone
secretagogue and neurotensin receptors
Genomics 46 (3), 426-434 (1997)
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VFQSSIFGAFVYYLVVLLSVAPMCWNMMQVLMKSQKGSLAGGTRPPQLRKSESEESRT
ARRQTIFLRLIVVTLAVCWMNQIRRAMAAAKPKHDWTRSYFRAYMILLPESETFFY
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
                                                                                                                                                                                           Submitted (17-JUL-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA On Jul 13, 2002 this sequence version replaced gi:20303189.
                                                                                                                                                                                                                                                                                                                                                                                                                                     Submitted (19-FEB-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Worley, K.C.
Direct Submission
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                     Web site: http://www.hgsc.bcm.tmc.edu/
Contact: hgsc-help@bcm.tmc.edu
                                                                                         Center: Baylor College of Medicine
Center code: BCM
                                                                                                                                                              ---- Genome Center
                                                                                                                                                                                                                                                                                                                                                                                                           1 to 92874)
Project
   Information
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* NOTE: Estimated insert size may differ from sequence length

* (see http://www.hgsc.bcm.tmc.edu/docs/Genbank_draft_data.html).

* NOTE: This is a 'working draft' sequence. It currently

* consists of 50 contigs. The true order of the pieces

* is not known and their order in this sequence record is

* arbitrary. Gaps between the contigs are represented as

* runs of N, but the exact sizes of the gaps are unknown.

* This record will be updated with the finished sequence

* This record will be updated with the finished sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              as soon as it is available and the accession number will be preserved.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Chemistry: Dye-terminator Big Dye: 100% of a Assembly program: Phrap; version 0.990329 consensus quality: 32512 bases at least Q40 consensus quality: 34515 bases at least Q30 consensus quality: 35930 bases at least Q20
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Center clone name: CH230-286021
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                   514 GAGCGGGAGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCA 573
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                                                                                                             GCACACTGCTGAAGCTAAAGGAGATGCCCACCCCTGCTGCCTCATCTGTCCGGCCCT--- 74866
                                                                 CCCCAACCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAG-G 513
AAGGGAGTCCTTTGTTCCCTTTCGAGTAACAAGATTGTGTGCACAAATACTTTTGTAAG 74979
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68.2%;
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                                                                                                                                                                                               ATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTTCAGTGTTTGG 1494
                                                                                                                                                                                                                                     ACTTGACAGCTTCTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACCCGGGGG 1554
                                                                                                                                                                              ATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTTCAGTGTTGG 106
                                                                     AGTTGGCTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT 1
                                                                                                                         GGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGG
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        AX150120
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Patent: EP 1067182-A 620 10-JAN-2001,
Helix Research Institute (JP)
Location/Qualifiers
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Sequence 620 from Patent EP1067182.
AX136698
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     h 29.3%;
Similarity 91.5%;
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Pred. No. 1.3e-118;
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PAT 08-JUN-2001
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1496 CTTGACAGCTTCTTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACCCGGGGGA 1555
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                                                                                                                                  191 TTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGA 132
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                                                                                                                                                     TTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGA 1495
                                                                                                                                                                                                GAGACAGAGAAAAAGAAAAACACAGGATGAGAACACAGTAAATGAATAAAACCATAAAATA 1435
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Patent; WO 0136685-A 95 25-MAY-2001;
NYXIS NeuroTherapies, Inc. (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 444)
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Similarity 99.8%;
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/db_xref="taxon:9606"
113 c 94 g 14
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Search completed: November Job time: 4477.47 secs 2002, 13:37:02

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Maximum DB seq length: 200000000
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                                                                                                                                                                                                          gb_est1: *
gb_est2: *
gb_htc: *
gb_est3: *
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em_estpl:*
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em_estom:*
gb.gss:*
em_gss_hum:*
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gb_est5:*
em_estfun:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

თ თ	Ω ω 4. τ	21	Result
466	507 506	1 571 2 531	Score
28.8	31 31 30 31 31	35.3 32.8	Query Match
696	702 743	888 879	Query Match Length DB
13	10	14 14	DB.
BM547680	BQ006545 BE395797	BQ689771 BQ689033	Length DB ID
BM547680 AGENCOURT	BQ006545 U1-H-E11- BE395797 601310028 BE385990 601276636	BQ689771 AGENCOURT	Description

44444400000000000000000000000000000000	7 8 8 9 110 111 112 113 113 114 115 116 116 117
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AW075598 AW07598 AW590500 AW590950 AW590950 AW591683 BE119074 AW755236 BW081455 BW081455 BW752236 BW081455 BW752236 BW081458 BW081458 BW081458 BW081458 BW081458 BW081458 BW081458 BW081398 BW15386060 AW153860 AW1	6424 6805 969 938 939 939 939 931 931 931 931 931 931 931
AWU/5598 XD24eV.x BBB58216 7919907.x A1990500 ws40d07.x A1990500 ws40d07.x ANFS00950 hy51el2.x A1391683 gy93f04.x B1919074 603180881 A1756236 w472508.x BM981455 U1-Cr-EN1 BG752229 602731372 BF054680 7169f08.y BA1742092 wg38h03.x AA084248 EN17409.r BE359014 ht07912.x BB359014 ht07912.x BB35906 601309558 BW087372 xb19902.x BM087372 xb19902.x BM087372 xb19902.x BM1913989 603180565 BE386060 601276753 BF935708 MR2-NT013 AW191974 x178802.x BM191749 603181571 BW954549 EST366619 BH669845 603293440	26459 by06h03: 94242 7n10d03: 94054 ap17q10.x 9805 w183040.x 4686 w183040.x 3999 nac8bb12 39997 UI-E-DW0 63997 UI-E-DW1 6826 wp69h10.x 0931 qb53c04.x 38938 ha68h04. 38938 ha68h04.

ALIGNMENTS

FEATURES SOURCE	COMMENT	TITLE	AUTHORS	REFERENCE		ORGANISM	SOURCE	KEYWORDS	VERSION	ACCESSION	DEFINITION	RESULT 1 BQ689771
Email: cgapbs-r@mail.nih.gov Tissue Procurement: APCC cDNA Library Preparation: Rubin Laboratory cDNA Library Preparation: Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) cDNA Sequencing by: Agencourt Bioscience Corporation Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov plate: LLCM2388 row: o column: 21 High quality sequence stop: 665. Location/Qualifiers 1888	Contact: Robert Strausberg, Ph.D.	National Institutes of Health, Mammalian Gene Collection (Moc)	NIH-MGC http://mgc.nci.nih.gov/.		Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eutereoscom; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		human.	EST.	BQ689771.1 GI:21815087	5', mRNA sequence. BQ689771	T_8344092 NIH_MGC_110 Homo	B0689771 888 bp mRNA linear EST 15-JUL-2002

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BQ689033
                                                         RESULT 2
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Best Local
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                                                                                                                                                      1243 TACGCCCGGAAGTAGGACCTCGTCCAGTCGTG 1274
                                                                                                                                                                                                                                       1183 AGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATG 1242
                                                                                                                                                                                                                                                                                                                          1123 GGCAGCACAGCACCTTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGG 1182
                                                                                                                                                                                                                                                                                                                                                                                                               1063 TGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1003 CAGAGGACTGGCGCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGG 1062
                                                                                                                          672
                                                                                                                                                                                                                                                                                                                                                                        553 GGCAGCACAGCACC-TGCACGAACACCCGGCGAAACTGCTGCGAGGACACCGTGTACAGG
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                                                                                                              TACGCCCGGAAGTAGGACCTCGTCCAGTCGTG 703
                                                                                                                                                                                             AGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                           CAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TAGACTGGGGCTCGGCCTCGGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTG 1002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /organism="Homo sapiens"
/db_xref="taxon:9606"
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/clone_ib="NHI_MGC_I10"
/tissue_type="ductal carcinoma, cell line"
/note="organ: pancreas; vector: poTB7; Site_1: XhoI;
Site_2: ECORI; cDNA made by oligo-dT priming.
Directionally cloned into EcoRI/XhoI sites using the
following 5' adaptor: GGCACGAG(G). Library constructed by
Ling Hong in the laboratory of Gerald M. Rubin (University
of California, Berkeley) using ZAP-cDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies).
Note: this is a NIH_MGC Library."
117 a 219 c 264 g 187 t 1 others
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Pred. No. 0;
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AUTHORS
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SOURCE
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                    943 TAGACTGGGGCTCGGCCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTG
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                                                                                                                                                                                                                                                                             763 ATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCCAC
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                                                             AATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACT
                                                                                        AATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTGCAGACTCAATGACTGGGACT
                                                                                                                                                                         TCAAGGCTCCCTGGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAG
                                                                                                                                                                                                                                    TCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAG
found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov Plate: LLCM2364 row: a column: 02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AGENCOURT_8063959 NIH_MGC_110 Homo sapiens cDNA clone IMAGE:62076255', mRNA sequence.

BQ689033
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CDNA Library Preparation: Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Unpublished (1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; 1 (bases 1 to 879)
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Site_2: EcoRI; CDNA made by oligo-dT priming.
Directionally cloned into EcoRI/XhoI sites using the
following 5' adaptor: GCACCAG(G). Library constructed by
Ling Hong in the laboratory of Gerald M. Rubin (University
of California, Berkeley) using ZAP-CDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies).
Note: this is a NIH_MGC Library."
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TITLE
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                      939 GACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTC 998
                                                           Local Similarity hes 677; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCA 543
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702 bp mRNA 1
UI-H-E11-aza-n-21-0-UI.s1 NCI_CGAP_EI1 Homo
IMAGE:5846228 3', mRNA sequence.
BQ00654.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cDNA Library preparation: Dr. M. Bento Soares, University of Iowa cDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa DNA Sequencing by: Dr. M. Bento Soares, University of Iowa Clone Distribution: Clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
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BQ006545.1 GI:19731445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Dr. Jose Mercuende
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tumor Gene Index
Unpublished (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 702)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap
National Cancer Institute, Cancer Genome Ana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Contact: Robert Strausberg, Ph.D.
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                                                             Conservative
                                                                                                                                                                                                                                                                      synthesis was primed with an oligo-dT primer containing a Not I site. Double stranded cDNA was ligated to an ECOR I adaptor, digested with Not I, and cloned directionally into pT7T3-Pac vector. The oligonucleotide used to prime the synthesis of first-strand cDNA contains a library tag sequence that is located between the Not I site and the
                                                                                                                                                                                                                                                                                                                                                                                                                                   /lab_host-*DH10B (Life Technologies)"
/note-*Organ: Left Pelvis; Vector: p7773-Pac (Pharmacia)
with a modified polylinker; Site_1: EcoR I; Site_2: Not I;
NCI_CGAP_EII is a normalized cDNA library containing the
following tissue(s): Chondrosarcoma. The library was
                                                                                                                                                          TAG_TISSUE-chondrosarcoma
TAG_SEQ-ACACTTGCAC"
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                                                                                                                                                                                                                                                                                                                                                                                               constructed according to Bonaldo, Lennon and Soares, Genome Research, 6:791-806, 1996. First strand cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /clone="IMAGE:5846228"
/clone_1ib="NCI_CGAP_EII"
/tlssue_type="Chondrosarcoma"
/dev_stage="Adult"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="Homo sapiens"
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                                                                                                                                                                                                                                                           (dT)18 tail. The sequence tag
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                                                                                                                                        Contact: Robert Strausberg, Ph.D. Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
                                                                                                                                                                                                                                                                                                                                                                                                      mRNA sequence
BE395797
                    CDNA Library Preparation: Ling Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E..Consortium (LLNL) DNA Sequencing by: Incyte Genomics, Inc. Clone distribution: MGC clone distribution information can found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
                                                                                                                                                                                                                    NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
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601310028F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3631543 5',
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                      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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601276636F1 NIH_MGC_20 Homo sapiens
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/note="Organ: uterus; Vector: pOTB7; Site_1: XhoI; Site_2
ECORI; cDNA made by oligo-dT priming. Directionally
cloned into EcoRIXNhoI sites using the following 5;
adaptor: GGCACGAG(G). Library constructed by Ling Hong
in the laboratory of Gerald M. Rubin (University of
California, Berkeley) using ZAP-cDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies)."
a 189 c 214 g 180 t
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/clone="IMAGE:5631543"
/clone_ilb="NIH_MGC_44"
/tlssue_type="endometrium, adenocarcinoma cell line"
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GAGGGAGAGACAGAAAAAGAAAAACACAGCATGAGAACACAGTAAAT 1417
                                                        GGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACACGAGCAG
                                                                                                               TGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCC 1249
                                                                                                                                                                                          TGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                CTGGCGCCGGGACGCGAACGACCGGCGCTGCACAAAGCCGGGCGCTGTCGGTGGA 1069
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: image.llnl.gov Plate: LLCM285 row: g column: 09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC/DCTD/DTP
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National Institutes of Health, Mammalian Gene Collection (MGC)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Unpublished (1999)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /tissue_type="melanotic melanoma"
/lab_host="DH108 (phage-resistant)"
/note="Organ: skin; Vector: pOTB7; Site_1: xho1; Site_2:
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/clone_lib="NIH_MGC_20"
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                    ACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGG 1230
                                                                                                                GCAGCGACAGGCGCAGCACAGCACCTTGCACGAACACCCGCCGAAACTGCTGCGAGGAC 1170
                                                                                                                                                      GGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTTGGCGTGCT 183
                                                                            GCAGCGACAGGCGGCAGCAGCACC-TGCACGAACCCCGCCGAAACTGCTGCGAGGAC
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ACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: Robert Strausberg, Ph.D. Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Invitrogen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 (bases 1 to 696)
NIH-WGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Plate: LLAM12722 row: h column: 07
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Unpublished (1999)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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AGENCOURT_6507108 NIH_MGC_124 Homo
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CDNA Library Arrayed by: The I.M.A.G.E. Consortium
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note="Organ: brain; Vector: pCMV-SPORT6; Site_1: EcoRV (destroyed); Site_2: Not1; RNA source male hippocampus, age 27. Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.4 kb, insert size range 0.9-4 kb. Library informalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 012."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /Clone="IMAGE:5727798"
/Clone_lib="NIH_MGC_124"
/tissue_type="hippocampus"
/lab_host="DH10B"
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/db_xref="taxon:9606"
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TITLE
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Hammalia; Eutheria; Primates; Catarrhini; Hominidae; 1 (bases 1 to 530)
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530 bp mRNA linear EST (by06h03.yl Human Lens cDNA (Un-normalized, unamplified): sapiens cDNA clone by06h03 5', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Email: graeme@helix.nih.gov
Plate: 06 row: h column: 03
Plate: M13RP1 reverse primer (ABI).
Seg primer: M13RP1 reverse primer (ABI).
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Tel: 301 402 3452
Fax: 301 496 0078
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/note="Organ: Eye; Vector: pCMVSPORT6; Two human lenses from different adults (both approximately 40 years old) together yielded 20ug of total RNA and 150ng mRNA for cDNA library synthesis. A directionally cloned cDNA library in the pCMVSPORT6 vector was constructed at Life Technologies, essentially following the protocols of the SuperScript Plasmid System full details of which are contained in the manufacturer's Instruction manual (http://www.lifetech.com/). First strand synthesis was carried out using a Not I primer-adapter [5'.pGaCTAGTTCTAGATCGCCAGCGGCCC(T)15-3']. Not I/blunt end inserts were cloned into the Not I/EcoR V sites in the
                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="Homo sapiens"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                  /dev_stage="Adult"
                                                                                                                                                                                                                                                                                                                                                                                                                   /clone="by06h03"
                                                                                                                                                                                                                                                                                                 /lab_host="EMDH10B"
                                                                                                                                                                                                                                                                                                                                                                                           /clone_lib="Human Lens cDNA (Un-normalized, unamplified):
                                                                                                                                                                                                                                                                                                                                           tissue_type="Lens"
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                                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleosto; Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 537)

NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project (CGAP/BTGAP), Tumor Gene Index (Disorders and Compublished (1998)
                                                                                                                                                                                                                                                                                                                                                                                                    GPR39. ; mRNA sequence.
BF594242
                                                                                                                                                                                                                                                                                                                                                                                                                                  BF594242 537 bp mRNA linear EST 12-DEC-2000 7n10d03.xl NCI_CGAP_Brn23 Homo sapiens cDNA clone IMAGE:3564316 3' similar to SW:GP39_HUMAN 043194 PUTATIVE G PROTEIN-COUPLED RECEPTOR
                         DNA Sequencing by: Washington University Genome Sequencing C Clone distribution: NCI-CGAP clone distribution information found through the I.M.A.G.B. Consortium/ILNL, send email to:
                                                                                                                                                 Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N.
                                                                                                                                                                                Contact: Robert Strausberg, Ph.D.
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-40UP from Gibco
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Eukaryota; Metazoa; Chordata; Cr. Mammalia; Eutheria; Primates; Ca 1 (bases 1 to 457)
Hillier,L., Allen,M., Bowles,L., Krizman,D., Kucaba,T., Lacy,M.,
                                                                                                                                         ap17g10.x1 Schiller oligodendroglioma Homo IMAGE:1955682 3', mRNA sequence.
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/clone="IMAGE:3564316"
/clone_lib="NCI_CGAP_Brn23"
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/lab_host="DH10B"
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Catarrhini; Hominidae
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                                                                                                                                      AGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCCACTC
                                                     AAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAA
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Email: estewatson.wustl.edu
Email: estewatson.wustl.edu
This clone is available royalty-free through LLNL; contact the
This clone is available royalty-free through LLNL; contact the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IMAGE Consortium (info@image.linl.gov)
Seq primer: -40UP from Gibco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Tel: 314 286 1800 Fax: 314 286 1810
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
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Site_1: EcoRI; Site_2: XhoI; Double-stranded cDNA was
prepared from human cligodendroglioma using primer
5'-GAGRAGGAGAGAGAGAGAACTAGTCTGAGT(18)-3'. An EcoRI
adaptor was used on the 5' end of the CDNA as follows:
5'-AATTCGCCACGAG-3'. The library was size-selected and
went through one round of amplification. Average insert
size is 1.7 kb, with a range from 0.4-12 kb. Tumor
identification by consensus pathology; contains
chromosome 1p and 19q deletion as determined by CGH. This
library was constructed by Dr. Martin Schiller (Johns
Hopkins University)."
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/dev_stage="44 years"
/lab_host="SOLR"
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/db_xref="taxon:9606"
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1041 TGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGG 1100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     source
                                       458 AAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCGGGGACGCGAAGAGCGAACGGGCGC
                                                                                                                   518 TCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAG
                                                                                                                                                        921 TCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAG 980
                                                                                                                                                                                             578 TGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGAC 519
                                                                                                                                                                                                                  861 TGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCCTGAGTTGGGCTCTAGTGAC 920
                                                           981 AAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCGGGACGCGAAGAGCAACGGGGGC 1040
                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                      556;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome
Clone distribution: NCI-GAP clone distribution
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
Insert Length: 1462 Std Error: 0.00
Seq primer: -40UP from Gibco
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National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project (CGAP/BTGAP), Tumor Gene Index Unpublished (1998)
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w183d07.x1 NCI_CGAP_Brn25 Homo sapiens cDNA clone IMAGE:2431501 3'
similar to SW:GP39 HUMAN O43194 PUTATIVE G PROTEIN-COUPLED RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                High quality sequence stop: 444.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: David N. Louis, M.D., Myrna R. Rosenfeld M.D.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mammalia; Eutheria; Primates; Catarrhini; 1 (bases 1 to 591)
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                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                          /clone="IMAGE:2431501"
/clone_lib="NCI_CGAP_Brn25"
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/lab_host="DH10B"
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nac80b12.x1 NCI_CGAP_Brn23 Homo
similar to Sw:GP39_HUMAN 043194
GPR39. , mRNA sequence.
BF939693
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NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute / National Institute of Neurolo Disorders and Stroke, Brain Tumor Genome Anatomy Project (CGAP/BTGAP), Tumor Gene Index
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                                                                                                                                                                                                                                                                                                                                                  Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D., Myrna R. Rosenfeld M.D.,
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Unpublished (1998)
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                                                                                                                                                                                                                                                           cDNA Library Arrayed by: Greg Lennon, Ph.D.

DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
                                                                                                                                                                                                                                                                                                                     cDNA Library Preparation: M. Bento Soares, Ph.D.,
                                                                                                                                                                                                                primer: -40UP from Gibco
                                                                                                                                                                                                quality sequence stop: 467.
                                                                                                                                                                                                                                              through the I.M.A.G.E. Consortium/LLNL, send email to:
/clone_11b="NCI_CGAP_Brn23"
/tissue_type="glioblastoma (pooled)"
/lab_host="DH10B"
                                                                                                                       /db_xref="taxon:9606"
/clone="IMAGE:3440591"
                                                                                                                                                   /organism="Homo sapiens"
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IMAGE:3440591 3'
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Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
This clone is available royalty-free through LLNL; contact the

Unpublished (1997)

Tumor Gene Index

NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap National Cancer Institute, Cancer Genome Ana

Anatomy Project (CGAP),

Seq primer: -40UP from Gibco High quality sequence stop: 4

quality sequence stop: 459.

Location/Qualifiers /organism="Homo sapiens'

. 696

/db_xref="taxon:9606" /clone="IMAGE:3272627"

IMAGE Consortium (info@image.llnl.gov) for

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Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1165 GAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAAACGTCTCCGAG 1224
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGC
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                                                                                                                                                                                                                                                                                                                                                      TGCTTTAGACAGTG
                                                                                                                                                                           BF439382
696 bp mRNA linear EST 30-MAR-2 nab63906.x1 Soares_NSF_F8_9M_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE:3272627 3' similar to SW:GP39_HUMAN 043194 PUTATIVE G PROTEIN-COUPLED RECEPTOR GPR39: ;, mRNA sequence.
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostom1; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 696)
                                                                Homo sapiens
                                                                                                                                 BF439382.1 GI:11451899
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library is normalized, and was constructed by Bento Soares and M.Fatina Bonaldo."

a 158 c 124 g 150 t
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                                                                                                                                                                                                                                                linear EST 30-MAR-2001
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RESULT 13
BM667957/c
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ORIGIN
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                                                                                                                                                                                                         1601 AAAA 1604
                                                                                                                                                                                                                                                              1541 TTCAAACCCGGGGGAGTTGGCTGTGTGTAAAGAAAGACCATTAAATGCTTTAGACAGTGTA 1600
                                                                                                                                                                                                                                                                                                                                                           1421 TAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAA 1480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1361 CACGAGCAGGAGGGAGAGAGAGAAAAGAAAAACACAGCATGAGAACACAGTAAATGAA 1420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1241 TGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCC 1300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1181 GGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCA 1240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1001 TGCAGAGGACTGGCGCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTC 1060
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         364 TGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCC 305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             483 GCGGCAGACACC.TGCACGAACACCCGCGAAACTGCTGCGAGGACACCGTGTACA 425
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          543 GGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAG 484
                                                                                                                                                                                                                                    64 TTCAAACCCGGGGGAGTTGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGTA 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4 AAAA 1
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                                                                                                                                                                                                                                                                                                                                 TAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAA 125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGA 245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGA 1360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCA 365
                                        BM667957
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Soares and M. Fatima Bonaldo."
202 c 164 g 192 t
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/lab_host="DH10B"
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99.7%;
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Pred. No. 0;
                                   538 bp
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                                mRNA
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                           EST 27-FEB-2002
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AUTHORS
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1258 GACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGC 1317
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420 GAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAG 361

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KEYWORDS
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1198 GAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGAGGATCATGTACGCCCGGAAGTAG 1257
                                                                                                                                 1138 TGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACC 1197
                                                                             source
                                                                                                                                                                                                                                      Local
                                                                                                                                                                                                            479;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Email: msoares@blue.weeg.uiowa.edu
Tissue Procurement: Dr. Gregg Hageman
cDNA Library preparation: Dr. M. Bento Soares, Univeristy of Iowa
cDNA Library Arrayed by: Dr. M. Bento Soares, Univeristy of Iowa
DNA Sequencing by: Dr. M. Bento Soares, Univeristy of Iowa
Clone Distribution: Researchers may obtain clones from Research
Genetics (www.resgen.com).
                                                                                                                                                                                                                             h 26.5%;
Similarity 99.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           University of Iowa
451 Eckstein Medical Research Building Iowa City, IA 52242, USA
Tel: 319 335 8250
Fax: 319 335 9565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     UI-E-DWO-agm-j-01-0-UI.S1 UI-E-DWO Homo sapiens cDNA clone UI-E-DWO-agm-j-01-0-UI 3', mRNA sequence.
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Program for Rat Gene Discovery and Mapping
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1 (bases 1 to 538)
Bonaldo, M.F., Lennon, G. and Soares, M.B.
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                                                                                                                                                                                                                                                                                                                                              104 a
                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                     tissue(s): lens. The library was constructed according to Bonaldo, Lennon and Soares, Genome Research, 6:791-806, 1996. First strand cDNA synthesis was primed with an oligo-dT primer containing a Not I site. Double stranded cDNA was ligated to an EcoR I adaptor, digested with Not I, and cloned directionally into pT7T3-Pac vector. The oligonucleotide used to prime the synthesis of first-strand cDNA contains a library tag sequence that is located between the Not I site and the (dT)18 tail. The sequence tag for this library is CGATTAGCGA. This library was created for the program, Gene Discovery in the Visual system.
                                                                                                                                                                                                                                                                                                                                                                  TAG_SEQ=CGATTAGCGA"
                                                                                                                                                                                                                                                                                                                                                                                                                   System, supported by National Eye Institute (NEI). TAG_LIB=UI-E-DWO
                                                                                                                                                                                                                                                                                                                                                                                         TAG_TISSUE=human lens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /lab_host="DH10B (Life Technologies) (T1 phage resistant)"
/note="Organ: eye; Vector: pT7T3-Pac (Pharmacia) with a
modified polylinker; Site_1: EcoR I; Site_2: Not I;
UI-E-DW0 is a cDNA library containing the following
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /clone="UI-E-DW0-agm-j-01-0-UI"
/clone_lib="UI-E-DW0"
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UI-E-DW1-ahd-c-11-0-UI.S1 UI-E-DW1 Homo sapiens cDNA
UI-E-DW1-ahd-c-11-0-UI 3', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                       Email: msoares@blue.weeg.uiowa.edu
Tissue Procurement: Dr. Gregg Hageman
cDNA Library preparation: Dr. M. Bento Soares, Univeristy of Iowa
cDNA Library Arrayed by: Dr. M. Bento Soares, Univeristy of Iowa
cDNA Sequencing by: Dr. M. Bento Soares, Univeristy of Iowa
DNA Sequencing by: Dr. M. Bento Soares, Univeristy of Iowa
Clone Distribution: Researchers may obtain clones from Research
Genetics (www.iesgen.com).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             University of Iowa 451 Eckstein Medical Research Building Iowa City, IA 52242, USA Tel: 319 335 8250 Fax: 319 335 9565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Contact: Soares, MB Program for Rat Gene Discovery and Mapping
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Genome Res. 6 (9), 791-806 (1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            discovery
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Normalization and subtraction: two approaches to facilitate gene
                                                                                                                                                                                                                                                                                                                                                 Seq primer: M13 Forward
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (bases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                bases 1 to 627)
/lab_hosi="DH10B (Life Technologies) (T1 phage resistant)" note="Organ: eye; Vector: pT7T3-Pac (Pharmacia) with a modified polylinker; Site_1: EcoR I; Site_2: Not I; UI:E-DW1 is a normalized cDNA library containing the following tissue(s): lens. The library was constructed according to Bonaldo, Lennon and Soares, Genome Research, 6:791-806, 1996. First strand cDNA synthesis was primed with an oligo-dT primer containing a Not I site. Double
                                                                                                                                                                                                                                                /organism="Homo sapiens"
/db_xref="taxon:9606"
                                                                                                                                                                                                         /clone="UI-E-DW1-ahd-c-11-0-UI"
/clone_lib="UI-E-DW1"
                                                                                                                                                                 /dev_stage="adult"
                                                                                                                                                                                    /tissue_type="lens"
                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Lennon, G. and Soares, M.B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Univeristy of Iowa
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                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 678)

NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.

National Cancer Institute / National Institute of Neurological National Stroke, Brain Tumor Genome Anatomy Project
                                    (CGAP/BTGAP), Tumor Gene Index Unpublished (1998)
Contact: Robert Strausberg, Ph.D. Email: cgapbs-r@mail.nih.gov
                                                                                                                                                                                                                                                                                                                  A1936826
                   Tissue Procurement: David N. Louis, M.D.,
                                                                                                                                                                                                                                           Homo sapiens
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Myrna

R. Rosenfeld M.D.,

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1138 TGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACC 1197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1198 GAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAG 1257
                                                                                                                                                                                                                                                                                                                                                                                 1438 TAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1378 GACAGAGAAAAGAAAAACACAGCATGAGAACACAGTAAATGAATAAAACCATAAAATATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1318 ATCCAGCATACGGCCAATGTCACCAACAATCAGCCCTGGGCAGACACGAGCAGGAGGAGGAGA 1377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                360 GACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAG
                                                                                                                                                                                                                                                                                              TGACAGCTTCTTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACCCGGGGGAGT 1557
                                                                                                                                                                                                        TGACAGCTTCTTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACCCGGGGGAGT
                                                                                                                                                                                                                                                                                                                                            TAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACT
118
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            stranded cDNA was ligated to an EcoR I adaptor, digested with Not I, and cloned directionally into pT7T3-Pac vector. The oligonucleotide used to prime the synthesis of first-strand cDNA contains a library tag sequence that is located between the Not I site and the (dT)18 tail. The sequence tag for this library is CGATTAGCGA. This library was created for the program, Gene Discovery in the Visual System, supported by National Eye Institute (NEI).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TAG_SEQ-CGATTAGCGA"
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Pred. No. 0;
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BASE COUNT
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                1541 TTCAAACCCGGGGGGGTTGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTG 1598
                                                                                                                     1361 CACGAGCAGGAGGGAGAGACAGAGAAAAGAAAAACACAGCATGAGAACACAGTAAATGAA 1420
                                                                                                                                                                                                                                                                                                              1301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1001 TGCAGAGGACTGGCGCCGGGACGCGAAGAGCCAACGGGCGCTGCACAAAGCGGGCGCTGTC 1060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1061
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                                                                    TCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGA 239
                                                                                                                                                                                                                                                                                     TCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGA 1360
                                                                                                                                                                                                                                                                                                                                                        TGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTTGGCCGCAGCCATGATCC 1300
                                                                                                                                                                                                                                                                                                                                                                                                                                         GGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCA 1240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GCGGCAGCACAGCACC-TGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACA 419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TGCAGAGGACTGGCGCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTC 538
                                                                                                                                                                                              TGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCC 299
                                                                                                                                                                                                                                                                                                                                                                                                           GGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GCGGCAGCACCACCTTGCACGAACACCCCGCGAAACTGCTGCGAGGACACCGTGTACA 1180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAG 478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAG 1120
High quality sequence stop: 454.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:2467075"
/clone_lib="NCI_CGAP_Brn25"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /tissue_type="anaplastic oligodendroglioma"
/lab_host="DHIOB"
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99.7%;
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Pred. No. 0;
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AI150931/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM
1296 GATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGG 1355
                                                                                                                                                                               1236 GATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCAT 1295
                                                                                                                                                                                                                                                       1176 GTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAAGGGGAGGAG 1235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  source
                                           347 GATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGG
                                                                                                                                    407 GATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCAT 348
                                                                                                                                                                                                                               467 GTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAAACGTCTCCGAGAAGGGGAGGAG 408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            58 TTCAAACCCGGGGGAGTTGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTG
                                                                                                                                                                                                                                                                                                                                    425;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 467)

NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.

National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project (CGAP/BTGAP), Tumor Gene Index (Dispublished (1998)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome :
Clone distribution: NCI-CGAP clone distribution
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
Insert Length: 1149 Std Error: 0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              High quality sequence stop: 425.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AI150931 467 bp mRNA linear EST 26-OCT-1998 qb53c04.xl NCI_CGAP_Brn23 Homo sapiens cDNA clone IMAGE:1703814 3' similar to SW:NTR1_RAT P20789 NEUROTENSIN RECEPTOR TYPE 1 ;, mRNA
                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Seq primer: -40ml3 fwd. ET from Amersham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Bonaldo,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D., Myrna R. Rosenfeld M.D.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Contact: Robert Strausberg, Ph.D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sequence.
AI150931
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                                                                                                                                                                                                                                                                                                                             Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:1703814"
/clone_lib="NCI_CGAP_Brn23"
/tissue_type="glioblastoma (pooled)"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ph.D.
                                                                                                                                                                                                                                                                                                                                                   26.3%; Score 425;
100.0%; Pred. No. (
                                                                                                                                                                                                                                                                                                                               0;
                                                                                                                                                                                                                                                                                                                             Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  the modified pT7T3 vector. constructed by Bento
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   1198 GAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAG 1257
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ha68h04.x1 NCI_CGAP_Pan1 Homo sapiens cDNA clone IMAGE:2878903 3'
similar to SW:GP39_HUMAN 043134 PUTATIVE G PROTEIN-COUDLED RECEPTOR
                                                                                                                                                                                                                                                                                                                                                      Seq primer: -40UP from Gibco
High quality sequence stop: 420.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nlh.gov
Life Technologies catalog #: 11548-013
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GPR39.;, mRNA sequence.
AW338938
                                                                                                                                                                                                                                                                                                                                                                                                                                          DNA Sequencing by: Washington University Genome Clone distribution: NCI-CGAP clone distribution found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Tumor Gene Index 
Unpublished (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap
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                                                                                                                                                                                                                                                                                                                                                                                                  Possible reversed clone: similarity on
                                                                                                                                                                                                                                                                                                                                                                                                                                 www-bio.llnl.gov/bbrp/image/image.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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                                                                                                                                                                      103
                                                                                           Conservative
                                                                                                                                                                      ß
                                                                                                                                                                                   /note="Organ: pancreas; Vector: pCMV-SPORT6; Site_1: SalI;
Site_2: NotI; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.72 kb. Life Technologies catalog #:
11548-013"
                                                                                                                                                                                                                                            /clone="IMAGE:2878903"
/clone_lib="NCI_CGAP_Pan1"
/tissue_type="adenocarcinoma"
/lab_host="DH108"
                                                                                                                                                                                                                                                                                                        /organism="Homo sapiens"
/db_xref="taxon:9606"
                                                                                                          26.2%;
99.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AI336858 515 bp mRNA linear EST 15-FEB-1999 qx86g11.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2009444 3' similar to SW:NTR1_RAT P20789 NEUROTENSIN RECEPTOR TYPE 1 ;, mRNA
                                                                                                                                                                                                                                                                                                                                   cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher A. Moskaluk, M.D.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Unpublished
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National Cancer Institute, Cancer Genome Ana
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1 (bases 1 to 515)
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                                                                                                                                                                                                                                                                                                                                                                                                                   Bonaldo, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Contact: Robert Strausberg, Ph.D.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        Emmert-Buck, M.D., Ph.D.
                                                                                                                                                                                                                                                         quality sequence stop: 444.
/note-"Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; Plasmid DNA from the normalized library NCI_CGAP_GC4 was prepared, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization
                                                                                                /tissue_type="pooled germ cell tumors"
/lab_host="DH10B"
                                                                                                                                                           /clone="IMAGE:2009444"
                                                                                                                                                                             /organism="Homo sapiens"
/db_xref="taxon:9606"
                                                                                                                                         /clone_lib="NCI_CGAP_GC6"
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Tissue Procurement: Dr. Gregg Hageman cDNA Library preparation: Dr. M. Bento Soares, Univeristy of Iowa cDNA Library Arrayed by: Dr. M. Bento Soares, Univeristy of Iowa DNA Sequencing by: Dr. M. Bento Soares, Univeristy of Iowa
                                                                                  451 Eckstein Medical Research Building Iowa City, Tel: 319 335 8250
Fax: 319 335 9565
                                                                                                                                                                                                                                                                                                                                                                                             BM686824 421 bp mRNA linear IUI-E-CR1-aec-b-10-0-UI.rl UI-E-CR1 Homo sapiens cDNA UI-E-CR1-aec-b-10-0-UI 5', mRNA sequence.
                                                                                                                                 Program for Rat Gene Discovery and Mapping University of Iowa
                                                                                                                                                                  Contact: Soares, MB
                                                                                                                                                                                                                    discovery
                                                                                                                                                                                                                                                    Bonaldo, M.F.,
                                                                                                                                                                                                                                                                              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo
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                                                                Email: msoares@blue.weeg.uiowa.edu
                                                                                                                                                                                                                                Normalization and subtraction: two approaches to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
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                                                                                                                                                                                                Res. 6 (9), 791-806 (1996)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            reaction. The driver was PCR-amplified cDNAs from a pool of 5,000 clones made from the same library (cloneIDs 1257096-1258631, 1469064-1470983, and 1475592-1476743). Subtraction by Bento Scares and M. Fatima Bonaldo. " 1412 c 119 g 151 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25.6%;
                                                                                                                                                                                                                                                 Lennon, G. and Soares, M.B.
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Pred. No. 0;
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RESULT 20 AW075598/c LOCUS

DEFINITION

AW075598
xb24e07.x1 NCI_CGAP_Kid13 Homo sapiens cDNA clone image.....
similar to SW:GP39_HUMAN 043194 PUTATIVE G PROTEIN-COUPLED RECEPTOR

VERSION KEYWORDS

ACCESSION

AW075598 AW075598.1

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       369
                                                                                                              864 AAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCG
                                                                                                                                                                                                                                                                                                                                                                           129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                924 AGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAG
                                                                                                                                                                               CTGGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGA
                                                                                                                                                                                                                                                                                                               TTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGG
AGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCT
                                                                                                                                                                                                                                                                                                                                                                      AGTCAGTCCTTAGAAGTCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCA
                                                                                         AAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCG
                                                                                                                                                                                                                                                                             TTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGG
                                                                                                                                                                                                                                                                                                                                                                                                                 AGTCAGTCCTTAGAAGTCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Clone Distribution: Researchers may obtain clones from Research Genetics (www.resgen.com).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /tissuc_type="eye anterior segment"
/dev_stage="adult"
/dev_stage="adult"
/lab_host="DH10B (Life Technologies) (T1 phage resistant)"
/lab_host="DH10B (Life Technologies) (T1 phage resistant)"
/lab_host="DH10B (Life Technologies) (T1 phage resistant)"
/note="Organ: eye; Vector: pT7T3-Pac (Pharmacia) with a
modified polylinker; Site_1: EcoR I; Site_2: Not I;
/note="Organ: eye; Vector: pT7T3-Pac (Containing the
following tissue(s): eye anterior segment. The library was
constructed according to Bonaldo, Lennon and Soares,
Genome Research, 6:791-806, 1996. First strand CDNA
synthesis was primed with an oligo-dT primer containing a
Not I site. Double stranded cDNA was ligated to an EcoR I
adaptor, digested with Not I, and cloned directionally
into pT7T3-Pac vector. The oligonucleotide used to prime
the synthesis of first-strand cDNA contains a library tag
sequence that is located between the Not I site and the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (dT)18 tail. The sequence tag for this library is AATGCCGCAT. This library was created for the program, Gene Discovery in the Visual System, supported by National Eye Institute (NEI)."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /clone="UI-E-CR1-aec-b-10-0-UI"
/clone__lib="UI-E-CR1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
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Pred. No.
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BASE COUNT
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  403
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                                                                                                                                                                                                                                                                  223
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43
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                                       TGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGTA 1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGC 1317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAG 1257
TGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGTA 1
                                                                                                            TGACAGCTTCTTTTGCCACAAGCAAGAGAGAATTTTAACACTGTTTCAAAACCCGGGGGAGT 1557
                                                                                                                                                                                                                                                                                                           GACAGAGAAAAAGAAAAACACAGCATGAGAACACAGTAAATGAATAAAAACCATAAAAATATT 1437
                                                                                                                                                                                                                                                                                                                                                                                                 GACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAG
                                                                                     TGACAGCTTCTTTTGCCACAAGCAAGAGAGAATTTTAACACTGTTTCAAAACCCGGGGGAGT 44
                                                                                                                                                                             TAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACT 104
                                                                                                                                                                                                 TAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACT 1497
                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla; Eutherla; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 500) NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap. National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Chris Moskaluk, M.D., Ph.D., Michael R.
Tissue Procurement: Chris Moskaluk, M.D., Ph.D. Michael R.
Emmert-Buck, M.D., Ph.D. CDNA Library Preparation: Life
Technologies, Inc. cDNA Library Arrayed by: Christa Prange, The
I.M.A.G.E. Consortium DNA Sequencing by: Washington University
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Genome Sequencing Center Clone distribution information can found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Seq primer: -40UP from Gibco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Possible reversed clone: similarity on
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 www-bio.llnl.gov/bbrp/image/image.html
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note="Organ: kidney; Vector: pCMV-SPORT6; Site_1: Sal
Site_2: Not1; Cloned unidirectionally. Primer: Oligo
Library constructed by Life Technologies."
139 c 114 g 148 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /organism-"Homo sapiens"
/db_xref="taxon:9606"
/clone="InhaGE:2577252"
/clone_lib="NCI_CGAP_Kid13"
/tissue_type="2 pooled Wilms' tumors,
metastatic to brain"
/lab_host="DH10B"
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Pred. No. 0;
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VERSION
KEYWORDS
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AUTHORS
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Best Local
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                    TGCACGAACACCCGCCGAAACTGCTGCGAGGACACCCGTGTACAGGAGCGGGTTGATGACC 1197
                                                                                     GACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGC 283
                                                                                                                              GACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGC 1317
                                                                                                                                                                             GAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAG 343
                                                                                                                                                                                                 GAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGGAGGAGGATCATGTACGCCCGGAAGTAG 1257
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461;
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NCI/NINDS-GGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project (CGAP/BTGAP), Tumor Gene Index (Unpublished (1998)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D., Myrna R. Rosenfeld M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; E
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GPR39. ;, mRNA sequence.
BE858216
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL, send email to:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Bonaldo,
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                                                                                                                                                                                                                                                                                                                                                                            Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 primer: -400p from Gibco quality sequence stop: 490.
                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                             T 3']; double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library is normalized, and was constructed by Bento Soares and M.Fatima Bonaldo."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /db_xref="taxon:9606"
/clone="ImAGE:3306972"
/clone_lib="NCI_CGAP_Brn23"
/tissue_type="glioblastoma (pooled)"
/tasue_type="glioblastoma (pooled)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                          25.4%;
99.8%;
                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                          Score 411;
Pred. No. 0;
                                                                                                                                                                                                                                                                                                                                                                                                   DB 12; Length 551;
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Ph.D.,

R. Rosenfeld M.D.,

Euteleostomi;

Indels

0,

Gaps

0,

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RESULT 22
AI990500/c
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Query Match
Best Local Similarity
Matches 461; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1558 TGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT 1599
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AT990500 616 bp mRNA linear EST 08-MAR-2000 ws40d07.xl NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2499661 3' similar to SW:GP39_HUMAN 043194 PUTATIVE G PROTEIN-COUPLED RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GPR39.;, mRNA sequence.
AI990500
AI990500.1 GI:5837381
                                                                                                                                                                                                                                                                                                                                                                                                                                                        cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome
Clone distribution: NCI-CGAP clone distribution
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
Insert Length: 1212 Std Error: 0.00
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1 (bases 1 to 616)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher A. Moskaluk, M.D.,
R. Emmert-Buck, M.D., Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Unpublished (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bonaldo,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Contact: Robert Strausberg, Ph.D.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cDNA Library Preparation: M. Bento Soares, Ph.D.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                primer: -40UP from Gibco
                                                                                               120
                                                                                                                                                                                                                                                                                                                                                                                                        quality sequence stop: 459.
Location/Qualifiers
     Conservative
                                                                                         /tissue_type="pooled_germ cell tumors"
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/lab_host="DH1DB"
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Subtraction by Bento Soares and M. Fatima Bonaldo. "
20 a 182 c 147 g 167 t
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                                                                                                                                                                                                                                                                                                                                  /organism-"Homo sapiens"
/db_xref-"taxon:9606"
/clone-"IMAGE:2499661"
                                                                                                                                                                                                                                                                                                                  /clone_lib="NCI_CGAP_GC6"
                   25.4%;
     0
                   Score 411;
Pred. No. 0;
   Mismatches
                                          DB 9;
     ۲,
                                      Length 616;
         Indels
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     0;
     Gaps
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                                                                                                                                                                                                                                                                                     Bonaldo, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                  Unpublished (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                     Tumor Gene Index
                                                                                                                                       Seq primer: -40UP from Gibco
                                                                                                                                                         Possible reversed clone: similarity on wrong strand
                                                                                                  quality sequence stop: 4
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                           /db_xref="taxon:9606"
/clone="IMAGE:2949166"
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1138 TGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACC 1197
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hg51e12.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2949166 3'
similar to SW:GP39_HUMAN 043194 PUTATIVE G PROTEIN-COUPLED RECEPTOR
                                                                                                                                                                     Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nlh.gov
Tissue Procurement: Christopher A. Moskaluk, M.D.,
R. Emmert-Buck, M.D., Ph.D.
                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 649)
                                                                                                                                                                                                                                                                                                                           NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap
National Cancer Institute, Cancer Genome Ana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AW590950.1 GI:7278094
                     cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
image.llnl.gov/image/html/iresources.shtml
                                                                                                                                             cDNA Library Preparation: M. Bento Soares,
                                                                                                                                                                                                                                                                                                                                   Anatomy Project (CGAP),
                                                                                                                                                        Ph.D.,
                                                         information can be
                                                                                                                                                        3
                                                                                                                                                                                                          Ph.D., Michael
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REFERENCE
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                                                                                  JOURNAL
                                                                                                                                                                           AUTHORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1558 TGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT 1599
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                42 TGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              461;
                                                 Contact: Robert Strausberg, Ph.D.
                                                                      (CGAP/BTGAP), Tumor Gene Index
Unpublished (1998)
                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla; Eutherla; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 452)

NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.

National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D., Myrna R. Rosenfeld M.D.,
                                                                                                                                                                                                                                                                                                                                                                                AI391683
452 bp mRNA linear EST 17-MAR-1999
qy93f04.x1 NCI_CGAP_Brn25 Homo sapiens cDNA clone IMAGE:2019583 3'
similar to SW:NTR1_RAT P20789 NEUROTENSIN RECEPTOR TYPE 1 ;, mRNA
                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                 AI391683.1
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/lab_host="DH108"
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99.8%;

 Mismatches

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Pred. No. 0;
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DEFINITION LOCUS BI919074

mRNA sequence

BI919074 704 bp mrNA lines 603180881F1 NIH_MGC_121 Homo sapiens cDNA clone

linear

IMAGE: 5244956

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                                                                                                                                                                                                                                                   1395 CACAGCATGAGAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCCTCTGTTCTGT 1454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1215 CGTCTCCGAGAAGGGGGGGGGGTCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTG 1274
                                                                                                                                                  145
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                   GACCATTAAATGCTTTAGACAGTGT 1599
                                                                                                    ACAAGCAAGAGAATTTAACACTGTTTCAAACCCGGGGGAGTTGGCTGTGTTAAAGAAA 1574
GACCATTAAATGCTTTAGACAGTGT 1
                                                                                                                                         CTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAA 1334
                                                                                                                                                                                                                                                                                                                                                                 CTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAA
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Insert Length: 1183 Std Error: 0.00
Seq primer: -400P from Gibco
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DNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bonaldo, Ph.D.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /tissue_type="anaplastic oligodendroglioma"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /clone_lib="NCI_CGAP_Brn25"
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Pred. No. 0;
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  361
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                                                                                                                                                          241 CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAA 300
                                                                                                                                                                                                                                                                         181
                                                                                                                                                                                                                                                                                                                                                                                                                378 GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 437
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      318 GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 377
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local
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                                                                                                                                                                                                                                                    CCGCAAGTCCTGTGCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT 240
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  CACCATCCTGTTCCTCAAATTAGCCC 386
                                             CGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCAC
                                                                                          CGGGCCAAGGCCCAAGAAAAGGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCAC 360
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                386;
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National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
Plate: LLAM11618 row: a column: 21
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Tissue Procurement: Life Technologies,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BI919074
BI919074.1 GI:16200128
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa;
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CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
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ilarity 100.0%;
Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note-"Organ: brain; Vector: pCMV-SPORT6; Site_1: Not1; Site_2: ECORV (destroyed); RNA source anonymous pool of 3 fetal brains, female age 20 weeks, female age 24 weeks, and male age 26 weeks. Library is oligo-dT primed and directionally cloned (ECORV site is destroyed upon cloning). Average insert size 1.7 % insert size range 0.7-3.5 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 017. Note: this is a NIHMGC Library."
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/db_xref="taxon:9606"
/clone="IMAGE:5244956"
/clone_1ib="NIH_MGC_121"
/lab_host="DH10B"
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Best Local Similarity
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                                                                                                                                                                                                                                                                                             1149 CCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTA 1208
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                         GGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGGGAGAGACAGAGAAAA 1388
                                                                      GTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATAC 1328
                                                                                                                                                                         GAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCA 337
                                                                                                                                                                                                                                                                                                                                                                    430;
AL/55236 MRNA linear EST 21-DEC-1999 wi72h08.xl NCI_CGAP_Kidl2 Homo sapiens cDNA clone IMAGE:2398911 3/ similar to SW:GP39_HUMAN 043194 PUTATIVE G PROTEIN-COUPLED RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GPR39. ;, mRNA sequence.
AI765236
AI765236.1 GI:5231745
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NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anat
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Seg primer: -40UP from Gibco
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Tissue Procurement: Christopher Moskaluk, M.D., Emmert-Buck, M.D., Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Email: cgapbs-r@mail.nih.gov
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note-"Organ: kidney; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; Plasmid DNA from the normalized library NCI_CGAP_Kid5 was prepared, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from a pool of 5,000 clones made from the same library (cloneIDs 1323912-1325831, 1471368-1472903 and 1492104-1493255). "Subtraction by Bento Soares and M. Fatima Bonaldo."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Fatima Bonaldo. "
122 c 99 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:2398911"
/clone_lib="NCI_CGAP_Kid12"
/close_type="2 pooled tumors (clear cell type)"
/lab_host="DH10B"
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RESULT 27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTTGACAGCTTCA 1508
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                                                                                                                                                                                                                                                                                                                                                                                                              Email: paul mccray@uiowa.edu
Tissue Procurement: Dr. M. J. Welsh, University of Iowa
CDNA Library preparation: Dr. M. Bento Soares, University of Iowa
CDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Researchers may obtain clones from Research
Genetics (www.resgen.com).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BM981455 738 bp mRNA linear EST 21-MAR-2002 UI-CF-EN1-adh-b-10-0-UI.S1 UI-CF-EN1 Homo sapiens cDNA clone UI-CF-EN1-adh-b-10-0-UI 3', mRNA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 University of Iowa Med Labs, Iowa City, IA 52242, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Contact: McCray, PB
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319 356 7171
           /note-*Organ: Lung; Vector: pT773-Pac (Pharmacia) with a modified polylinker; Site_1: EcoR I; Site_2: Not I; UI-CF-ENI is a normalized cDNA library containing the following tissue(s): Primary Lung Cystic Fibrosis Epithelial Cells. The library was constructed according to Bonaldo, Lennon and Soares, Genome Research, 6:791-806, 1996. First strand cDNA synthesis was primed with an oligo-dT primer containing a Not I site. Double stranded cDNA was ligated to an EcoR I adaptor, digested with Not I, and cloned directionally into pT773-Pac vector. The
oligonucleotide used to prime the synthesis
                                                                                                                                                                                                                                                                             /clone="UI-CF-EN1-adh-b-10-0-UI"
/clone_lib="UI-CF-EN1"
                                                                                                                                                                                                                                                                                                                 /organism="Homo sapiens"
/db_xref="taxon:9606"
                                                                                                                                                                                                 /lab_host="DH10B (Life Technologies) (T1 phage resistant)"
                                                                                                                                                                                                                        /dev_stage="Adult"
                                                                                                                                                                                                                                                        /tissue_type="Primary Lung Cystic Fibrosis Epithelial
                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
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                                                                                  cDNA Library Preparation: Ling Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Incyte Genomics, Inc. Clone distribution: MGC clone distribution information can found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov http://image.lnl.gov column: 18
                                                                                                                                                                                                                                                   Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: ATCC
                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 821)
NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
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602731372F1 NIH_MGC_43 Homo sapiens
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/organism="Homo sapiens"
                                            Location/Qualifiers
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NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute / National Institute of Neu Disorders and Stroke, Brain Tumor Genome Anatomy Proj
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Unpublished (1998)
Other_ESTs: 7171h01.x1
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Robert Jenkins, M.D.,
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381 bp mRNA linear EST 16-OCT-2000 7171h01.yl NCI_CGAP_Brn20 Homo sapiens cDNA clone IMAGE:3340177 5' similar to SW:GP39_HUMAN 043194 PUTATIVE G PROTEIN-COUPLED RECEPTOR
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/clone_1ib="NIH_MGC_43"
/clone_1ib="NIH_MGC_43"
/clone_1ib="NIH_MGC_43"
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/tissue_type="normal pigmented retinal epithelium"
/tissue_type="normal pigmented"
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/lab_host="0HID8 (phage-resistant)"
/lab_host="0retinal"
/lab_host="0retinal epithelium"
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The vector to vector length is 382
Seq primer: -40RP from Gibco.
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CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL, send email to:
                                                                                                                                                     BYUS468U 371 bp mRNA linear EST 16-OCT-2000 7169f08.Yl NCI_CGAP_Brn20 Homo sapiens cDNA clone IMAGE:3339975 5' Similar to SW:GP39_HUMAN 043194 PUTATIVE G PROTEIN-COUPLED RECEPTOR GPR30 - MENN GOTTON
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 371)
                                                                                          BF054680.1 GI:10808576 EST.
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/clone_lib="NCI_CGAP_Brn20"
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/dev_stage="adult"
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/db_xref="taxon:9606"
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AV725028 465 bp mRNA linear EST 16-OCT-2
AV725028 HTC Homo sapiens cDNA clone HTCBRH07 5', mRNA sequence.
AV725028
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National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project (CGAP/BTGAP), Tumor Gene Index
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DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL, send email to:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Contact: Robert Strausberg, Ph.D. Email: cgapbs-r@mail.nih.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Unpublished (1998)
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/clone="IMAGE:3339975"
/clone_lib="NCI_CGAP_Brn20"
/tissue_type="cligodendroglioma"
/dev_stage="adult"
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361 CAGC 364
                                587 CAGC 590
                                                                 301
                                                                                                                         241 ACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCG
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                                                       TGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAATAAATT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            364;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Unpublished (2000)
Contact: Zeguang Han
Chinese National Human Genome Center at Shanghai
351 Guo Shoujing Road, Zhangjiang Hi-Tech Park, Pudong, Shanghai
201203, P. R. China
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Tel: 86-21-50801919(ex.45)
Fax: 86-21-50801922
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Li,N., Qian,B., Liu,F., Qu,J., Gao,X., Cheng,Z., Xu,Z., Zeng,L., Xu
,S., Gu,W., Tu,Y., Jia,J., Fu,G., Ren,S., Zhong,M., Lu,G., Hu,R.,
Chen,J., Chen,Z. and Han,Z.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Email: hanzg@chgc.sh.cn
This clone is available at CHGC
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XhoI"
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/dev_stage="Adult"
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A1742092 578 bp mRNA linear EST 19-DEC: w938h03.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE: 2367413 3' similar to SW:GP39_HUMAN 043194 PUTATIVE G

EST 19-DEC-1999

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                                                                                                                                                                                                                                                                                                      454 GTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGG 395
                                                                                                                                                                                                                                                                                                                                                                                                     514 GACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCA 455
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                                                                                                                         AGCGACAGGCGGCAGCACACCTTGCACGAACACCCGGCGGAAACTGCTGCGAGGACAC 1172
                                                                                                                                                                                                                                                                                                                                                        GTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGG 1052
CGTGTACAGGAACGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAG
                                                  CGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAG 1232
                                                                                                                                                                                                    GCGCTGTCGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGC
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                                                                                                    AGCGACAGGCGGCAGCACCAGCACC - TGCACGAACACCCGCCGAAACTGCTGCGAGGACAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nlh.gov
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Insert Length: 806 Std Error: 0.00
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NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note-"Organ: pooled; Vector: pTTT3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; Equal amounts of plasmid DNA from five normalized libraries were mixed, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from pools of 5,000 clones made from the same 5 libraries. The pools consisted of the following libraries and cloneIDs: Soares NbHSF pool 1: 309384-310919, 323208-325895 Soares NbHSF pool 1: 145032-147335, 147720-148103, 148872-149255, 15002-150407, 151176-152227 Soares Nb2HR9-pwool 1: 75280-760583, 772104-774407 Soares NbHSP pool 1: 705280-760583, 320136-322823, 326280-32663 Soares NbHOT pool 1: 723720-726407, 739080-740999 Subtraction by Bento Soares and M. Fatima Bonaldo."
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/db_xref="taxon:9606"
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/clone_lib="Soares_NSF_F8_9W_OT_PA_P_S1"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1233 GAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGC 1292
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                                         Local Similarity
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    363;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hillier, L., Lennon, G., Becker, M., Bonaldo, M.F., Chiapelli, B., Chissoe, S., Dietrich, N., Dubuque, T., Favello, A., Glsh, W., Hawkins Chissoe, S., Dietrich, N., Dubuque, T., Favello, A., Glsh, W., Hawkins Chissoe, S., Pierry, M., Le, M., Le, N., Mardis, E., Moores, M., Rarsons, J., Prange, C., Rifkin, L., Rohlfing, T., Schellenberg, K., Soares, M.B., Tan, F., Thierry-Meg, J., Trevaskis, E., Underwood, K., Wohldmann, P., Waterston, R., Wilson, R. and Marra, M. Generation and analysis of 280,000 human expressed sequence tags Genome Res. 6 (9), 807-828 (1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information insert Length: 980 Std Error: 0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
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EST.
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Fax: 314 286 1810
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4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               High quality sequence stop: 357.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Contact: Wilson RK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Seq primer: -28M13 rev2 from Amersham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Email: est@watson.wustl.edu
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    Conservative
                                                                                                                                                                                       /clone_lib="Stratagene neuroepithelium NT2RAMI 937234"
/dev_stage="Ntera-2/RA+MI neuroepithelial cells"
/lab_host="SOLR (kanamycin resistant)"
/note="Vector: pBluescript SK-; Site_1: EcoRI; Site_2:
/note="Vector: pBluescript Site: nimer: oligo dr. NT2
/note: nimer: ol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /organism="Homo sapiens"
/db_xref="GDB:3926237"
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/clone="IMAGE:547721"
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                                     22.4%;
        0
                                         Score 363;
Pred. No.
        Mismatches
                                                                                   DB
        0
                                                                               Length 379
        Indels
        0
        Gaps
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ORIGIN
                                                                         BASE COUNT
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KEYWORDS
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BE350014/c
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TITLE
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                       Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCG 899
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                                                                                                                                                                                                                                                                                                                                                       Genome Sequencing Center Clone distribution information
                                                                                                                                                                                                                                                                                                                                                                                   Tissue Procurement: Chris Moskaluk, M.D., Ph.D., Michael R. Emmert-Buck, M.D., Ph.D. cDNA Library Preparation: Life Technologies, Inc. cDNA Library Arrayed by: Christa Prange, The I.M.A.G.E. Consortium DNA Sequencing by: Washington University
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tumor Gene Index
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BE350014 534 bp mRNA linear EST 18-JUL-2000 ht07g12.xl NCI_CGAP_Kidl3 Homo sapiens cDNA clone IMAGE:3146086 3' similar to SW:GP39_HUMAN 043194 PUTATIVE G PROTEIN-COUPLED RECEPTOR
                                                                                                                                                                                                                                                                                                                                      found through the I.M.A.G.E. Consortium/LLNL, send email to:
                                                                                                                                                                                                                                                                                                                            info@image.llnl.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BE350014
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BE350014.1 GI:9261867
                                                                                                                                                                                                                                                                                                          primer: -40UP from Gibco
                                                                                                                                                                                                                                                                         quality sequence stop: 408.
Location/Qualifiers
                                                                       98
                                                              /note="Organ: kidney; Vector: pCMV-SPORT6; Site_1: Sal1;
Site_2: Not1; Cloned unidirectionally. Primer: Oligo dT
Library constructed by Life Technologies."
172 c 143 g 121 t
                                                                                                                                                            /db_xref="taxon:9606"
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/clone_11b="NCI_CGAP_Kid13"
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                                                                                                                                                        metastatic
                                                                                                                                                                                                                                                               1. .534
                                                                                                                                    metastatic to brain"
/lab_host="DH10B"
                                                                                                                                                                                                                                         /organism="Homo sapiens"
 22.2%;
Score 359;
Pred. No. 0;
                DB 10;
              Length 534;
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SOURCE
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KEYWORDS
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BE395206
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          AUTHORS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1032 AACGGGCGCTGCACAAAGCGGGGGGGTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCGC 1091
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         410 GTGCTTAAGAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCGCGGGACGCGAAGAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   972 GTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGAAGAGC 103:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       912 TCTAGTGACTCGAGACTCAATGACTGGGGACTTAGACTGGGGGCTCGGCCTCGCTCTGAAAA 971
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAA 411
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                                                                                                                                                                                                               CDNA Library Preparation: Ling Hong/Rubin Laboratory CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Incyte Genomics, Inc. Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                        Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
                                                                                                                                                                                                                                                                                                                                                                           Contact: Robert Strausberg, Ph.D.
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NIH-MGC http://mgc.nci.nih.gov/
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Location/Qualifiers
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                                                                 /organism="Homo sapiens"
/db_xref="taxon:9606"
                    /clone="IMAGE:3631047"
/clone_lib="NIH_MGC_44"
/tissue_type="endometrium,
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xb19g02.xl NCI_CGAP_Kid13 Homo sapiens cDNA clone IMAGE:5576786 3/
similar to SW:GP39_HUMAN 043194 PUTATIVE G PROTEIN-COUPLED RECEPTOR
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1 (bases 1 to 432)
Seq primer: -40UP from Gibco
High quality sequence stop: 306
                                                                                                                                    Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can
found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                               Tissue Procurement: Chris Moskaluk, M.D., Ph.D., Michael R. Emmert-Buck, M.D., Ph.D. cDNA Library Preparation: Life Technologies, Inc. cDNA Library Arrayed by: Christa Prange, The I.M.A.G.E. Consortium DNA Sequencing by: Washington University
                                                                                                                                                                                                                                                                                                                                  Contact: Robert Strausberg, Ph.D. Email: cgapbs-r@mail.nih.gov
                                                                                                                                                                                                                                                                                                                                                                                         Unpublished (1997)
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/note="Organ: uterus; Vector: pOTB7; Site_1: XhoI; Site_2: EcoRI; cDNA made by oligo-dT priming. Directionally cloned into EcoRI/XhoI sites using the following 5' adaptor: GGCACGAG(G). Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies)."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              mRNA sequence.
                  CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                    Contact: Robert Strausberg, Ph.D.
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High quality sequence stop: 452
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Site_2: NotI; Cloned unidirectionally. Primer: Oligo dT
Library constructed by Life Technologies."
a 116 c 89 g 134 t 1 others
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/clone="iMAGE:2576786"
/clone_iib="NCI_CGAP_Kid13"
/tissue_type="2 pooled Wilms' tumors, one primary and one
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="Homo sapiens"
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           NIH-MGC http://mgc.nci.nih.gov/
National Institutes of Health, 1
                                    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 707)
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603180565F1 NIH_MGC_121 Homo
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/clone="IMAGE:1639038"
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; I
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
                            Homo sapiens
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301 CGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCA 349
                                                                                                                                                                                                                                                                                                                                                                                                                    241 CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAA 300
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                                                                                                                                                                                                                                                                                    CGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCA 634
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGGAGCAAAAGTGCCGGGATCATGTA
                                                                                                         BE386060 593 bp mRNA linear EST 21-00L-2
601276753F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:3617749 5',
                                                       BE386060.1
                                                                                BE386060
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human.
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Tissue Procurement: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
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Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM11617 row: a column: 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note="Organ: brain; Vector:
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/lab_host="DH10B"
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National Institutes of Health, Mammalian
Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
                                                           prime, mRNA sequence.
AL538562
AL538562.1 GI:12866967
EST.
                                                                                                                              AL538562 LTI_FL013_FBrn1 Homo
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Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: image.llnl.gov Plate: LLCM285 row: 1 column: 14
High quality sequence stop: 593.
Location/Qualifiers
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Tissue Procurement: ATCC/DCTD/DTP
  Eukaryota;
                      Homo sapiens
                                           numan
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/tlssue_type="melanottc melanoma"
/lab_host="DH10B (phage-resistant)"
/lab_host="DH10B (phage-resistant)"
/note="Organ: skin; Vector: pOTB7; Site_1: XhoI; Site_2:
ECORI; cDNA made by oligo-dT priming. Directionally
cloned into ECORI/XhoI sites using the following 5;
adaptor: GCCACGACG). Size-selected >500bp for average
insert size 1.8kb. Library constructed by Ling Hong in
the laboratory of Gerald M. Rubin (University of
California, Berkeley) using ZAP-cDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies)."
39 a 166 c 183 g 105 t
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/db_xref="taxon:9606"
/clone="IMAGE:3617749"
    Metazoa;
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100.0%; Pred. No. 0;
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                                                                                                                                                                                                                                                                                                                                                                          241 CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCTAACACCCCCTCTTTGTAA
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MR2-NT0138-281200-008-f08 NT0138
BF935708
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Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
   Dias Neto, E.,
                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
                                                                          Homo sapiens
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                   (bases 1 to
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Technologies. Contact: Feng Liang Life Technologies, a division of Invitrogen 9800 Medical Center Drive Rockville, Maryland 20850, USA Fax: (1) 301 610 8371 Email: fliang@lifetech.com URL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       and cloned into the Not I and Eco RV sites of the pCMVSPORT 6 vector. Library was constructed by Life
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note-"Organ: Fetal brain; Vector: pCMVSPORT 6; 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-stranded cDNA was digested with Not I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /clone_lib="LTI_FL013_FBrn1"
/dev_stage="pooled tissue from post conception fetuses
week, 24 week and 26 week)"
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 García Correa, R.,
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85 c 257 g 199 t
                       368)
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Verjovski-Almeida, S., Briones, M.R.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Web : www.genoscope.cns.fr
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                                                                                                                                                                 Homo sapiens cDNA,
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                                     Hominidae;
                                                      Euteleostomi;
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                                                                                                                     AAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGC
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                                                                                                                                                                                                                                                                                                                                                                                              ACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCCTGAGTTGGGCTCTAGTGACTCGAG 925
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                                                                                                                                                                                                 ACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGAAAAT 113
AW191974 454 bp mRNA linear EST 29-NOV-x178a02.x1 NCI_CGAP_Pan1 Homo sapiens cDNA clone IMAGE:2680778
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=MR2&t2=MR2-NT0138-
281200-008-f08&t3=2000-12-28&t4=1)
Seq.primer: puc 18 forward
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 and
Brazil
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Fax: +55-11-2707001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note-*Organ: nervous_tumor; Vector: pucl8; Site_1: SmaI; Site_2: SmaI, A mini-library was made by cloning products derived from ORESTES PCR (U.S. Letters Patent application No. 196,716 - Ludwig Institute for Cancer Research) profiles into the pUC 18 vector. Reverse transcription of tissue mRNA and cDNA amplification were performed under low stringency conditions."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone_lib="NT0138"
/dev_stage="Adult"
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Query Match
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                     GCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACA 1344
GAACACAGTAAATAAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGC
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                                                                                                                                                                                                                                                                                                                ATCAGCCCTGGGCAGACACGAGCAGGAGGGGAGAGAGAAAAAGAAAAACACAGCATGA
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AW191974
AW191974.1 GI:6470673
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Unpublished (1997)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Contact: Robert Strausberg, Ph.D.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Site_2: NotI; Cloned unidirectionally. Primer: Oligo of Average insert size 1.72 kb. Life Technologies catalog 11548-013"
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/clone_lib="NCI_CGAP_Pan1"
/tissue_type="adenocarcinoma"
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Tissue Procurement: Life Technologies,
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NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene
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Plate: LLAM11619 row: n column: 17
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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0.7-3.5 kb. Library is
full-length clones and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note-"Organ: brain; Vector: pCMV-SPORT6; Site_1: NotI; Site_2: ECORV (destroyed); RNA source anonymous pool of fetal brains, female age 20 weeks, female age 24 weeks, and male age 26 weeks. Library is oligo-dT primed and directionally cloned (ECORV site is destroyed upon cloning). Average insert size 1.7 kb, insert size range 0.7-3.5 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber
                                                                                                                                                                                                                                                                                                                                                                                                                                (Invitrogen). Research Genetics tracking code 017. Note:
this is a NIH_MGC Library."
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/clone="IMAGE:5245648"
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Contact: John Quackenbush
The Institute for Genomic Research
9712 Medical Center Dr., Rockville,
Tel: 301 838 3528
Fax: 301 838 0208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Assessment of gene expression patterns in a model of colon tumor metastasis using a 19,200 element cDNA microarray Unpublished (2000)
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Plate: 65
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/db_xref="taxon:9606"
/clone_lib="MAGE resequences, MAGC"
/note="Vector: pBluescriptSKm"
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CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAGCACCCCCTCTTTGTAA
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                                                                                                                                                                                                                                                                                                                                                                328;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
plate: LLAM11792 row: p column: 10
High quality sequence stop: 690.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Onpublished (1999)
Contact: Robert Strausberg, Ph.D.
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Miklos Palkovits, M.D., Ph.D.
CDNA Library Preparation: Michael J. Brownstein (NHGRI), Shiraki
Toshiyuki and Plero Carninci (RTKEN)
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
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690 bp mRNA linear EST 12-SEP-2001
603293440F1 NIH_MGC_96 Homo sapiens cDNA clone IMAGE:5312889 5',
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Clone distribution: MGC clone distribution information can be
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:5312889"
/clone_lib="NIH_MGC_96"
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/lab_host="DH10B"
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Search completed: November 7, 2002, 23:08:04 Job time: 2196.32 secs

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Result
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq length: 200000000
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| SIDS2/gcgdata/geneseg/genesegn-embl/NA1998_DAT: *
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ALIGNMENTS

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RESULT 1
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ID ABT0
Novel ovarian cancer polypeptide and polynucleotide, useful for
                          WPI; 2002-500186/53.
                                                                                       14-NOV-2000; 2000US-0713550
03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
                                                 Хu J,
                                                                    (CORI-) CORIXA CORP.
                                                                                                                                   13-NOV-2001; 2001WO-US45395
                                                                                                                                                                                                                      Human; ovarian cancer; ovarian carcinoma; gene therapy; immunotherapy;
cytostatic; gene; ss.
                                                                                                                                                                                                                                                  Human ovarian carcinoma associated coding sequence SEQ ID NO: 205.
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                                                                                                                                                          23-MAY-2002.
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                                            Stolk JA, Algate PA,
                                            Fling SP,
                                             Molesh DA;
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               GTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTG
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                      СТСТСТТАРАВСАРАВСКАТТАРАТССТТТАСАСАСТСТАРАВЛАВАВАВАВАВАВАВАВАВ 1619
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RESULT 2
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05-SEP-2002

(first entry)

ovarian carcinoma associated coding sequence SEQ ID NO: ovarian carcinoma; gene therapy;

Homo sapiens

cytostatic;

gene;

23-MAY-2002.

13-NOV-2001; 2001WO-US45395

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 1619 BP;
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                                            GTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGTGTTCTCTTTTGTT
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ABL40345 standard; cdna;

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                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to ovarian tumour polynucleotides and polypeptides that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the development of a cancer in a patient. They are also useful for stimulating an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their cability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and preparing ribozyme molecules for inhibiting expression of tumour cells. Polypeptides and polynucleotides of the invention are also useful in recombinant DNA molecules to direct
                                                                                                                                                                                                                                                            Matches 1619;
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Best Local :
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STOLK J A.
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                                            CTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATC
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07-SEP-2000;
14-NOV-2000;
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The invention relates to ovarian tumour polynucleotides and polypeptides that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the development of a cancer in a patient. They are also useful for stimulating an immune response in a patient, and for treating a cancer in a patient, and for treating a cancer in a patient, and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their ability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and preparing ribozyme molecules for inhibiting expression of tumour
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(STOL/)
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                                                                                                                                                                                                        Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence
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                                        cancer therapy; vaccine;
                                        gene therapy; tumour;
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                                                                                                                                                                                                                                                            Query Match
Best Local
                                                                                                                                                                                                                                             Matches 1616;
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15-AUG-2000;
07-SEP-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer
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               CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTTGCCGGGTACCAGTCCTT 240
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                                                           GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGAGCAAAGTGCCGGGATCATGTA
                                                                           GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 180
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ALGATE PA
FLING S P.
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2000US-0561778.
2000US-0640173.
2000US-0656668.
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AAF22373 to AAF22421 encode the human secreted proteins given in AAB63134 to AAB63182. AAB63183 to AAB63231 represent more human secreted proteins and polypeptides homologous to them. Human secreted proteins have activities based on the tissues and cells the genes are expressed in. Examples of activities include: immunosuppressive; antiarthritic; antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungicide; and ophthalmological. The polynucleotides and profeire and used to prevent, treat or ameliance.
                                                                                                                                       Claim 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungicide; ophthalmological; gene therapy; autoimmune disease; neoplasm; rheumatoid arthritis; hyperproliferative disorder; cardiac arrest; cardiovascular disorder; cerebrovascular disorder; cerebral ischaemia; angiogenesis; nervous system disorder; Alzheimer's disease; infection; cular disorder; corneal infection; wound healing; skin aging;
                                                                                                                                                                                                                                                                                                                                 09-APR-1999;
                                                                                                                                                                                                                                                                          (ROSE/) HUMAN
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cc also used in diagnosing a pathological condition or sheep. They are cc also used in diagnosing a pathological condition or susceptibility to a cc pathological condition. Disorders which are diagnosed or treated include cd autoimmune diseases e.g. rheumatoid arthritis, hyperproliferative cd disorders e.g. neoplasms of the breast or liver, cardiovascular cerbrates e.g. cardiac arrest, cerebrovascular disorders e.g. cerebrates e.g. cardiac arrest, cerebrovascular disorders e.g. cerebrates e.g. cardiac arrest, cerebrovascular functions caused by bacteria, viruses and fungi and ocular cdisorders e.g. corneal infection. The polypeptides can also be used to aid wound healing and epithelial cell proliferation, to prevent skin caping due to sunburn, to maintain organs before transplantation, for comporting cell culture of primary tissues, to regenerate tissues and in chemotaxis. The polypeptides can also be used as a food additive or cc preservative to increase or decrease storage capabilities. AAR23364 to AAR2372 and AAB63133 represent sequences used in the exemplification of the present invention.
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CCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTTGACTGA
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(first entry)

Human secreted protein gene 13 SEQ IJ NO:23

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Human; secreted protein; immunosuppressive; antiarthritic; antirheumati antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; viruoide; fungloide; opthalmalogical; vulnerary; autoimmune disease; cardiovascular disorder antirheumatic; disorder

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Matches 1595;
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                             andiogenesis, nervous system disorders e.g. Alzheimer's disease, infections caused by bacteria, viruses and fungi and ocular disorders e.g. corneal infection. The polypeptides can also be used to aid wound healing and epithelial cell proliferation, to prevent skin ageing due to sunburn, to maintain organs before transplantation, for supporting cell culture of primary tissues, to regenerate tissues and in chemotaxis. The polypeptides can also be used as a food additive or preservative to increase or decrease storage capabilities. Included in the invention are polynucleotide sequences AAF64167 - AAF64175 and peptide AAB75505 which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The proteins and polynucleotides, their agonists and antagonists have activities dependent on the tissues and cells in which they are expressed, examples of these activities include, immunosuppressive; antiarthritic; antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic; nerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungicide; opthalmalogical; and vulnerary. The proteins, polynucleotides, agonists and antagonists can be used to treat or detect or disgnose various diseases and disorders including, autoimmune diseases e.g. rheumatoid arthritis, hyperproliferative disorders e.g. neoplasms of the breast or liver, cardiovascular disorders e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral ischaemia,
                                                                                                                                                                                    1674
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Nucleic acid molecules encoding human secreted proteins, used in preventing, treating or ameliorating a disorder, e.g. Alzheimer's and Parkinson's diseases and cancers -
                                                                                                                                                                                                                                                                                                                                                    Sequence 1956 BP; 430 A; 543 C; 524 G; 456 T; 3 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sequences AAF64176 - AAF64224. The specification includes amino acid sequences AAB75555 - AAB75606 which represent fragments of the human secreted proteins, and protein sequences with which they share homology
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human secreted proteins AAB75506 - AAB75554 are encoded by polynucleotide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 1; Page 443-444; 542pp; English.
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(ROSE/) ROSEN C A.
                                                                                                             61 GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 120
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                                                                                                                                                                                                                                                                                           ocal Similarity
GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGGAGGAAGTGCCGGGGATCATGTA 1495
                      GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 180
                                                                                    GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC
                                                                                                                                                                         GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA 1615
                                                                                                                                                                                                                                                                                                                                                                                                    in the isolation, identification and characterisation of the of the invention.
                                                                                                                                                                                                                                                                       Conservative
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                                                       CTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGAC
                                                                                                        ACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAG
                                                                                                                                                                                                     CGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGGCGCAGCACCTTGC
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                         which encode human secretory or membrane proteins represented by AAB88317 - AAB88419. Included in the invention are primers AAF93917 - AAF94295 and AAF62232 - AAF62235 which are used to isolate the cDNA sequences of the invention. The invention also includes methods for the production of antibodies directed against the proteins, and cDNA sequences, which can be used in vaccines. The polynucleotide sequences can be used in gene therapy. Bolynucleotide sequences and the proteins they encode may be used in the prevention, treatment and diagnosis of diseases associated with inappropriate secretory protein/membrane protein expression. The nucleic acids and complementary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1381
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   sequences may also
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Nucleic acids encoding secretory proteins/membrane proteins, useful in gene therapy or as candidate target molecules in drug development - {\sf res}
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11-JAN-2000;
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                                                                                                                                                                                                                                                                                                                                       invention relates to nucleic acid sequences AAF93744 - AAF93916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGTA
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                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID
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; 2000JP-0118775.
; 2000JP-0183766.
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (e.g. polymerase chain reactions (PCR)) to detect and quantitate the presence of similar nucleic acid sequences in samples. They may also be used to study the expression and function of secretory proteins/membrane polypeptides and their role in metabolism. The polypeptides may be used as antigens in the production of antibodies against them and in assays to identify modulators (agonists and antagonists) of expression and activity. The antibodies and antagonists may also be used as therapeutic agents to down regulate expression and activity. The antibodies may also be used as diagnostic agents for detecting the presence of the polypeptides in samples (e.g. by enzyme linked immunosorbant assay (ELISA). Examples of diseases which may be treated include rheumatoid arrthritis and diabetes.
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CCACCCCTCCTGCATTGTTCCTTCCAGCCCTCGCCCCAACCCCCCACCTCCCTGAGTGA
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                                                             Human; ovarian antigen; ovary; ovarian; breast; cancer; tumour; ovarian cancer; breast cancer; tumour; reproductive system disorder; infertility; pregnancy disorder; anovulation; polycystic ovary syndr PCOS; ovarian cyst; dysmenorrhoea; endocrine disorder; infection;
              inflammatory condition; immune disorder; blood disorder; cardiovascular disorder; respiratory disorder; neurological disorder; gastrointestinal disorder; urinary system disorder; drug screening;
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 therapy; chromosome mapping;
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                                                                                                                                                    ovarian
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                                                                                                                                                   antigen HVCAG04 cDNA, SEQ ID NO:111.
                                                                                                                                                                                                                                                        CDNA;
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 forensic analysis;
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Q 밁 Š

Matches 1428; Query Match

Similarity

86.2%; 99.5%;

DB 24; 2;

Length 1608 Indels

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Gaps

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160

Conservative

ς, Pred. Score 1395; Mismatches ŏ.

TGCCGGGATCATGTACCGCAAGTCCTGTGCATCAGCAGCGGCCTGTCTCATCACCCTCTGC

CGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAA 285

Sequence 1608 BP;

402 A; 402 C; 417 G; 381 T; 6 other;

B

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The invention relates to 2175 novel human ovarian antigens (ABP41054-CC ABP4328) and to cDNAs encoding them (ABQ5431-ABQ56305), and also ce encompasses polypeptides 90% identical and polynucleotides 95% identical to the sequences of the invention. The invention additionally relates to recombinant vectors and host cells comprising human ovarian antigen compolynucleotides and polypeptides in diagnosing.

CC treating, prognosing or preventing varian cancer and breast-related disorders. Such conditions include ovarian cancer and breast-related disorders (e.g., infertility, disorders of pregnancy, anovulation, cpolycystic ovary syndrome, ovarian or breast origin, reproductive system and disorders (e.g., infertility, disorders of pregnancy, anovulation, components, infections (e.g., chlamydia, HIV, toxoplasmosis, and toxic shock syndrome), inflammatory conditions (e.g., mastitis, cophoritis and concers and uninary system disorders (e.g., anaemia), cardiovascular disorders, cand urinary system disorders (e.g., anaemia), cardiovascular disorders, componentation antigen expression or activity. The polynucleotides may also be used in screening for compounds which componentation of individuals and in forensic analysis, and the consent in disease diagnosis, drug targeting and phenotyping. The polynucleotides may be used as food additives or to prepare antibodies consent in disease, diagnosis, drug targeting and phenotyping. The polynucleotides may be used as food additives or to prepare antibodies consent targeting and phenotyping. The polynucleotides may be used as food additives or to prepare antibodies and cancers and phenotyping. The polynucleotides may be used as food additives or to prepare antibodies consent targeting and phenotyping. The polynucleotides may be used as food additives or to prepare antibodies consent targeting and phenotyping.
                                             specification, at ftp.win-
                                                                                                                                         useful in disease diagnosis, drug targeting and phenotyping. sequence represents cDNA encoding a human ovarian antigen of
                                                                                                Note:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Isolated nucleic acid molecules encoding novel ovarian polypeptides, useful in the prevention, treatment and diagnosis of cancer (e.g. ovarian cancer), immune disorders, cardiovascular disorders and
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antiinflammatory; gynaecological; reproductive; chromosome 2q21-22;
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Grimaldi
One hundred and twenty two nucleic acids encoding PRO polypeptides useful for treating a PRO related disorder and for diagnosing tumor such as lung cancer, colon cancer, breast tumour, prostate tumour tumour or liver tumour
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The invention relates to one hundred and twenty two nucleic acids CC encoding PRO polypeptides. The sequences of the 122 PRO polypeptides, ce encode human secreted proteins. The PRO nucleic acids, polypeptides, agonists and antagonists are useful for treating a PRO related disorder. The PRO polypeptides are useful for diagnosing tumours, especially lung cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or cliver tumour. The PRO polypeptides are useful for stimulating the proliferation of, or gene expression, in pericyte cells, for stimulating the proliferation or differentiation of chondrocyte cells, for stimulating cstimulating the release of tumour necrosis factor-alpha from human blood, for stimulating or inhibiting the proliferation of normal human dermal cc stimulating or inhibiting the proliferation of normal human dermal cc weight markers and for tissue typing. The PRO nucleic acids have applications in molecular blology, including use as hybridisation probes, and in chromosome and gene mapping. ABK33567 represent human crops and protein coding sequences of the invention.
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   molecule (G protein coupled receptor gene, GPCR 4941) associated with a cardiovascular or tumourigenic disorder. The method comprising contactin a sample containing a nucleic acid molecule with a hybridisation probe of amplification primers and detecting the presence. The invention is used in gene therapy. The method of the invention is used for identifying nucleic acids or polypeptides associated with a cardiovascular or tumourigenic disorder such as aberrant angiogenesis, aberrant vascularisation, artherosclerosis, or ovarian cancer, ischaemia/ reperfusion injury, hypertension, restenosis, arterial inflammation, endothelial cell disorders, diabetic retinopathy, psoriasis, myocardial infarction, Grave's disease and leukaemia. The methods can also detect mRNA or genomic DNA in a sample. The present sequence is G protein coupled receptor (GPCR) 4941 cDNA.
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                          2001-611743/70
DB; AAE11751.
                                                                                        TGTCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTT
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                                                                                                    GCCTCAGGAAGA
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                                                                                                              1292
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI;
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03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 625
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GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA
                                                                                                  CCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCC 1351
                                                                                                                                 CAGCGACAGCGGCAGCACCAGCACC-TGCACGAACACCCGCGAAACTGCTGCGGAGGACA
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                                     CTGGGCAGACACGAGCAGGAGGAGACAGAGAAAAAGAAAAACACAGCATGAGAACACA
                                                            CTGGGCAGACACGAGCAGGAGGGAGAGACAGAGAAAAGAAAAACACAGCATGAGAACACA 1411
                                                                                     CCATGATCCTCCGAATCTGGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCC
                                                                                                                                                                                  CCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGA
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                                                                                                                                                                                                                                                                                                                                                                                 Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                               182 A;
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Pred. No. 4.6e-164;
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                   useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the development of a cancer in a patient. They are also useful for stimulating an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their ability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and preparing ribozyme molecules for inhibiting expression of tumour polypeptides in tumour cells. Polypeptides and polynucleotides of the invention are also useful in recombinant DNA molecules to direct expression of a polypeptide in appropriate host cells. The current
                                                                                                                                                                                                                                                                                                                                                                                                                          01-MAY-2000;
15-AUG-2000;
07-SEP-2000;
14-NOV-2000;
                                                                                                                                                                                The invention relates to ovarian tumour polynucleotides and polypeptides that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are
                                                                                                                                                                                                                                                              Ovarian tumour polypeptide and prevention and/or treatment of
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                                                                                                                                                                                                                                                                                                                                                                                    XU J.
STOLK J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    carcinoma
                                                                                                                                                                                                                                      Page 125;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            sequence
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2000US-0640173.
2000US-0656668.
2000US-0713550.
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ovarian carcinoma

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                                                                                                        Human ovarian cancer related DNA clone SEQ ID NO:10876.
 26-MAY-2000;
                  29-MAY-2001; 2001WO-US17756.
                                                                                       Human;
                                                                                                                          17-MAY-2002
                                                                                                                                                             ABL87898 standard; DNA; 625
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                                                                                                                                                                                                                                          TAACACTGTTTCAAACCCGGGGGAGTTGGCTGTTAAAGAAAAAGACCATTAAATGCTTTA
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                                                                                       ovarian
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                                                                                                                          (first entry)
 2000US-207484P
                                                                                       cancer; ovarian tumour;
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 Mismatches

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Pred. No. 4.6e-164; ...
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GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA
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The present invention describes a composition (I) comprising: carriers cand immunostimulants; and a polypeptide (II) having a cDNA sequence (C polypeptide encoded by a polypuclectide (III) having a cDNA sequence (SI) from the 10912 nucleotide sequences as given in ABL77023 to C ABL87934, (III) encoding (II) having a sequence (S2), a T cell (C population of (II), or antigen presenting cells that express (II). CC (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to (CI) has cytostatic activity. An oligonucleotide (IV) that hybridises to CC contacting a biological sample from a patient with (IV), detecting the contacting a biological sample from a patient with (IV), detecting the amount of polypucleotide hybridising to (IV) and comparing the amount to getter the amount of polypucleotide hybridising to (IV) is detected preferably by polymerase chain reaction (PCR). (I) comprising CC (III) and/or (II) is useful for stimulating and/or expanding T cells specific for an ovarian tumour protein comprising contacting T cells (III) or (II) (III) is useful in design and preparation of cells contacting in tumour cells; and to isolate a full length gene from a CC suitable library e.g., a tumour CDNA library using well known
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing polypeptide -
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BP; 182 A; 144 C; 182 G; 116 T; 1 other;
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Local Similarity es 624; Conserv Conservative 37.9%; 99.7%; 0; Score 613; DB 24; Length 625; Pred. No. 4.6e-164; Mismatches Indels <u>..</u> Gaps

GGCGCTGTCGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTG 1111 120

CAGCGACAGGCGGCAGCAGCACCTTGCACGAACACCCGCCGAAACTGCTGCGAGGACA 1171

CCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGA CCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGGA 1231 239

GGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAG 1291

GGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAG 299

CCATGATCCTCCGAATCTGGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCC CCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCC 1351 359

CTGGGCAGACACGAGCAGGAGGAGAGACAGAGAAAAAGAAAAACACAGCATGAGAACACA 1411

GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA CTGGGCAGACACGAGCAGGAGGGAGAGACAGAGAAAAAGAAAACACAGCATGAGAACACA 1471

Search completed: November 7, 2002, 10:10:30 Job time: 329.774 secs

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Title:
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      Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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1: /cgn2_6/ptodata/1,
2: /cgn2_6/ptodata/1,
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4: /cgn2_6/ptodata/1,
5: /cgn2_6/ptodata/1,
6: /cgn2_6/ptodata/1,
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Gapop 10.0 , Gapext 1.0
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      GenCore version 5.1.3 Copyright (c) 1993 - 2002 Compugen Ltd.
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US-08-153-848-39
US-09-29-843A-39
US-09-088-337B-39
PCT-US93-11153-39
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US-09-200-009-3
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US-09-199-717-3
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US-09-199-717-1
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US-09-088-333A-3
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2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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5	Sequence 2, Appli	Sequence 1, Appli	Sequence 2, Appli	Sequence 1, Appli	Sequence 4, Appli	Sequence 1, Appli	Sequence 5, Appli	Sequence 2, Appli	Sequence 1, Appli	Sequence 3, Appli	Sequence 5, Appli	Sequence 5, Appli	Sequence 6, Appli	Sequence 6, Appli	Sequence 1, Appli	Sequence 1, Appli	Sequence 29, Appl

ALIGNMENTS

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; CLONE: pTZgpt-F1s
US-08-232-463-14
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US-08-232-463-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 14, Application US/08232463
Patent No. 5670367
GENERAL INFORMATION:
APPLICANT: DORNER, F.
APPLICANT: SCHEIFLINGER, F.
APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STATE: VA
COUNTRY: USA
COUNTRY: USA
ZIP: 22313-0299
ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatable
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Ver
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
                                                                                                                                                                         TELEX: 899149
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                  REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 304
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEPAX: (703)683-4109
                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/07/935,313
FILING DATE:
APPLICATION NUMBER: EP 91 114 300.6
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REGISTRATION NUMBER: 29,768
                                            IMMEDIATE SOURCE:
                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pair
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: 1800 Diag
                                                                                   LENGTH: 7218 base pairs TYPE: nucleic acid STRANDEDNESS: single
                                                                TOPOLOGY:
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                                                              linear
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Seguence

Query Match

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Score 50.4;

DВ 1.

Length 7218

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 2.4%; Matches 9; Conservative
                                    INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC.DOS/MS-DOS SOFTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
                 SEQUENCE
                                                                                                TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1422 YYYYYYYYYYYYGTACCAAAT 1443
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: No. 5759804el Seven Transmembrane Receptors
                                    TELEFAX: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 530 TCTCTTTTGTTCCTGTGCAAAT 551
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               350 GGGCTCCGCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            290 CCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCA 349
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            230 TACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACC 289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           170 GGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTGTGCCGGG 229
                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Chicago
STATE: Illinois
                                                                                                                   REFERENCE/DOCKET NUMBER:
                                                                                                                                   REGISTRATION NUMBER:
                                                                                                                                                       NAME:
                                                                                                                                                                                                                                     CLASSIFICATION: 514
                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & ADDRESSEE: Bicknell
                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGTGT 529
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No. 5759804and, Greccion 10. 35,302
CHARACTERISTICS: 1872 base pair
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Schweikart, Vicki L.
                                                                                                                                                                                                                                                                                                                                                                                                      USA
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                                                                                                                                                                                                                                                                                                                                                    Floppy disk
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                                                                                                                                                  Greta E.
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                                                                                                                   31794
                                                                                                                                                                                                                                                                                                   Version #1.25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-153-848-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 39, Application US/09299843A Patent No. 6107475
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches 110;
                              REFERENCE/DOCKET NUMBER: 27 TELECOMMUNICATION INFORMATION:
                                                                             ATTORNEY/AGENT INFORMATION:
NAME: Jill E. Uhl
                                                                                                                                                                                                                PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/088,337
FILING DATE: 01-JUN-1998
                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1323
                                                                                                                                                              FILING DATE: 17-NOV-PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1041
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: NO.
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                                                                                                                       APPLICATION NUMBER: US 0 FILING DATE: 17-NOV-1992
                                                                                                                                                                               APPLICATION NUMBER: US 0
FILING DATE: 17-NOV-1993
               TELEPHONE:
                                                                       REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                               CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                   FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 6300 S
CITY: Chicago
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STRANDEDNESS: sing
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/09/299,843A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6300 Sears Tower, 233 South Wacker Drive
(312) 474-0448
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Borun
               (312) 474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                         Floppy disk
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                                                                                                                                            US 07/977,452
                                                                                                                                                                                                   US 08/153,848
                                                                 43,213
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                                                    27866/32059B
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Pred. No. 0.00019;
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GENERAL INFORMATION:
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SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1203 GAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCT 1262
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          981
                             APPLICATION NUMBER: US 08/153,848
FILING DATE: 17-NOV-1993
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: NO. 6348574and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
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Local Similarity 52.4%;
hes 110; Conservation
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LOCATION: 202..1341
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
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                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/088,3378
FILING DATE: 01-Jun-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: NO. NUMBER OF SEQUENCES: 66 CORRESPONDENCE ADDRESS:
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Gray, Patrick W.
Schweikart, Vicki L.
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                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Chicago
STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY: USA
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                    TELEPHONE:
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(312)
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Pred. No. 0.00019;
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          CLASSIFICATION:
PRIOR APPLICATION NUMBER: US 07/977,452
APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: NOLAND, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
TELEPAN: (312) 474-6300
TELEFAX: (312) 474-0448
TELECAN: (312) 474-0448
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 1872 base pairs
                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compati
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: Novel Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 64
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CITY: Chicago
STATE: Illinois
                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                        FILING DATE:
                                                                                                                                                                                                                                                                                     APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & ADDRESSEE: Bicknell
                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP:
                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
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STRANDEDNESS: single
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LOCATION:
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202..1341
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Pred. No. 0.00019;
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SEQUENCE CHARACTERISTICS: LENGTH: 1872 base pairs

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US-08-232-463-14/c
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Best Local Similarity 52.4%;
Matches 110; Conservative
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                   INFORMATION FOR SEQ ID NO:
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APPLICANT:
APPLICANT:
                                                                  REFERENCE/DOCKET NUMBER: 30
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
                                                                                                                                               FILING DATE: 26-AUG-1991 ATTORNEY/AGENT INFORMATION: NAME: BENT, Stephen A.
                                                                                                                                                                                                                                                                                                                                      SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1143 GAACACCCGCCGAAACTGCTGCGAGGACACCCGTGTACAGGAGCGGGTTGATGACCGAGCT 1202
                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
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SEQUENCE CHARACTERISTICS:
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                             TELEFAX: (/v-
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CITY: Alexandria
                                                                                                                          NAME: BENT, Stephen A. REGISTRATION NUMBER: 2
                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY: USA
ZIP: 22313-0299
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LOCATION: 202..1341
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                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/08/232,463
                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
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                                                                                                                                                                                                      APPLICATION NUMBER:
                                                                                                                                                                                                                           FILING DATE:
                                                                                                                                                                                                                                                                                 CLASSIFICATION: 435
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1800 Diagonal Road,
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VENTION: RECOMBINANT FOWLPOX VIRUS
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                                                      (703)683-4109
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Pred. No. 0.00019;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Suite 500
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; NAME/KEY: misc_feature
; LOCATION: (1)...(289)
; OTHER INFORMATION: n = A,T,C or G
US-09-007-005-17
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Best Local Similarity
Matches 11; Conserv
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 17
LENGTH: 289
    Matches
                      Query Match
Best Local S
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Roberts, Richard W.
APPLICANT: Liu, Rihe
TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
TITLE OF INVENTION: FUSIONS
FILE REFERENCE: 00786/350003
                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/007,0 CURRENT FILING DATE: 1998-01-14 EARLIER APPLICATION NUMBER: 60/035,963 EARLIER FILING DATE: 1997-01-27 EARLIER APPLICATION NUMBER: 60/064,491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Szostak, Jack W.
                                                                                                                                                                                                                                                                                                                                           EARLIER FILING DATE: 1997-11-06
                                                                                                                                                                                                         TYPE: RNA
ORGANISM: Artificial Sequence
                                                                                                                                                                              OTHER INFORMATION: Translation template
                                                                                                                                                              FEATURE:
                                                                                                                                                                                                     FEATURE:
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TOPOLOGY: lin
  Local Similarity
mes 23; Conserv
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EDNESS: single
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2.8%; Score 46; DB 4; Le nilarity 9.3%; Pred. No. 0.00093; Conservative 103; Mismatches 120;
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                                       Length 289;
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CURRENT FILING DATE: 1999-02-05
EARLIER APPLICATION NUMBER: 60/035,963
EARLIER FILING DATE: 1997-01-27
EARLIER APPLICATION NUMBER: 60/064,491
EARLIER FILING DATE: 1997-11-06
EARLIER FILING DATE: 1997-11-06
EARLIER FILING DATE: 1998-01-14
NUMBER OF SEQ ID NOS: 33
SOFTWARE: FastSEQ for Windows Version 4.0
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APPLICANT: Roberts, Richard W.
APPLICANT: Liu, Rihe
TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
FILE REFERENCE: 00786/350007
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LOCATION: (1)...(289)
OTHER INFORMATION: n = A,T,C or G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: RNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Translation template
                                     1333 AATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGGGAGAGACAGAGAAAAGAAA 1392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE
                                                                                                                   1273 TGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCC 1332
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                                                                             156 NRSRNRNRSRNRNRSRNRNRSRNRNRSRNRNRSRNRNRSRNRNRSRNRNRSRNRNRSRNR 215
1393 AACACA 1398
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                                                                                                                                                             96 NRSRNRNRSRNRNRSRNRNRSRNRNRSRNRNRSRNRNRSRNRNRSRNRNRSRNRNRSRNR 155
                                                                                                                                                                                                                                        36 CRARARURURARCRARARURGRNRNRSRNRNRSRNRNRSRNRNRSRNRNRSRNRNRSRNR 95
                                                                                                                                                                                                                                                                                                                        / Match
Local Similarity 9.3%; Score 46; DB
Local Similarity 9.3%; Pred. No. 0.000
hes 23; Conservative 103; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             276 AAAAAA 281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                156 NRSRNRNRSRNRNRSRNRNRSRNRNRSRNRNRSRNRNRSRNRNRSRNRNRSRNRNRSRNR 215
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                                                                                                                                                                                                                                                                                                                                          Score 46; DB 4; Length 289; Pred. No. 0.00093;
                                                                                                                                                                                                                                                                                                                        120; Indels
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US-08-832-399-1/c
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Best Local Similarity
Matches 110; Conserv
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TYPE: DNA
ORGANISM: human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Strand, Joann
APPLICANT: Hadcock, John R.
TITLE OF INVENTION: NO. 6420137el cDNA Encoding The Long and Short
FITLE OF INVENTION: Forms of The Human Neurotensin Subtype 2 Receptor
FILE REFERENCE: 0630/0E792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSEQ for Windows Version 3.0
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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/832,399
FILING DATE: 02-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Bergsma, Derk APPLICANT: Shabon, Usman TITLE OF INVENTION: NOVEL
                                                                                                                                                                                                                             COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1196 CCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGT 1255
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                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         997 CTGAGCTGACGTAGAAAAGTGTGTTGGTCACCATGTAGAAGTAGTGGTAGAAATTGTACA 938
                                                                                                                                                       COMPUTER: IBM CO
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                     STREET: 709 Swedeland CITY: King of Prussia STATE: PA
                                                                                                                                         SOFTWARE:
                                                                                                                                                                                                          MEDIUM TYPE:
                                                                                                                                                                                                                                                                             COUNTRY:
                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: SmithKline Beecham Corporation STREET: 709 Swedeland Road
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                                                                                                                             FastSEQ for Windows Version
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                                                                                                                                                                                                          Diskette
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                                                                                                                                                                                                                                                                                                                                                                                                                              NOVEL HUMAN NEUROTENSIN RECEPTOR TYPE 2
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ATTORNEY/AGENT INFORMATION:

30,954

FILING DATE:

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APPLICANT: Derk J. Bergsma
APPLICANT: Usman Shabon
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Patent No. 6166182
                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 1
                                                                                                                                                                             Matches 106; Conservative
                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: NOVEL HUMAN NEUROTENSIN RECEPTOR TYPE 2
TITLE OF INVENTION: AND SPLICE VARIANTS THEROF
FILE REFERENCE: GH-50020-1
CURRENT APPLICATION NUMBER: US/09/372,498
CURRENT FILING DATE: 1999-08-11
PRIOR APPLICATION NUMBER: 08/832,399
PRIOR FILING DATE: 1997-04-02
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                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE:
                                                                                                                                                                                                                                                                                        TYPE: DNA
ORGANISM: HOMO SAPIENS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1136 CTTGCACGAACACCCCGCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGA 1195
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LENGTH: 1342 base pairs
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TELEPHONE: 610-270-5515
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                                                                                                                                                                                                                                                                                                                                       LENGTH: 1342
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                          1196 CCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGT 1255
                                                                                                                                1136 CTTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGA 1195
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                                                                                          893 CTTCCAGGAAGAGTTTTCTGAAGGAGGAGGACACGGCGTTGTAGAGAAGAGGAGTCACAG 834
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REGISTRATION NUMBER:
  833 CTGAGCTGACGTAGAAAAGTGTGTTGGTCACCATGTAGAAGTAGTGGTAGAAATTGTACA 774
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                                                                                                                                                                                                     Match 2.7%;
Local Similarity 50.2%;
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                                                                                                                                                                               0; Mismatches 105; Indels
                                                                                                                                                                                                  Score 43; DB 4;
Pred. No. 0.017;
                                                                                                                                                                                                                            DB 4; Length 1342;
                                                                                                                                                                                    0; Gaps
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US-08-858-876A-1/C
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                                                                                                                                                                                                                                Matches 106;
                                                                                                                                                                                                                                                Query Match 2.7%;
Best Local Similarity 50.2%;
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APPLICANT:
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NUMBER OF SEQUENCES: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/
FILING DATE: 17-MAR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO) CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: Player, William E.
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                                                                                             1196 CCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGT 1255
                                                                                                                                                   1150 CTTCCAGGAAGAGTTTTCTGAAGGAGGAGGACACGGCGTTGTAGAGAAGAGGAGTCACAG 1091
                                                                                                                                                                                         1136 CTTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGA 1195
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1030 GTGGGTCAGTCCACGCGTCATCAGGTACGTAGCAGTACATGAGCCTGCGGGCATGGTACG 971
                                  1256 AGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGG 1315
                                                                           1090 CTGAGCTGACGTAGAAAAGTGTGTTGGTCACCATGTAGAAGTAGTGGTAGAAATTGTACA 1031
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OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: FILING DATE: 19-SEF
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                              NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                LOCATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1575 base pairs
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Pascual FERRARA
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                                                                                                                                                                                                                                  Conservative
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                  0; Mismatches 105; Indels
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                                                                                                                                                                                                                                                       Score 43; DB 3; Length 1575; Pred. No. 0.018;
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1316 GCATCCAGCATACGGCCAATGTCACAACAAT 1346

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US-09-472-880-1/c
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APPLICANT: Daniel CAPUT
                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity Matches 106; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: Player, William E.
REGISTRATION NUMBER: 31,049
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
                         1316 GCATCCAGCATACGGCCAATGTCACAACAAT 1346
                                                                                                                                                                                                                    1196 CCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGT 1255
                                                                                                                                                                                                                                                                  1150 CTTCCAGGAAGAGTTTTCTGAAGGAGGAGGACACGGCGTTGTAGAGAAGAGGAGTCACAG 1091
                                                                                                                                                                                                                                                                                                         1136 CTTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGA 1195
                                                                                   1030 GTGGGTCAGTCCACGCGTCATCAGGTACGTAGCAGTACATGAGCCTGCGGGCATGGTACG
                                                                                                                              1256 AGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGG 1315
                                                                                                                                                                        1090 CTGAGCTGACGTAGAAAAGTGTGTTGGTCACCATGTAGAAGTAGTGGTAGAAATTGTACA 1031
970 GCAGCCAGCAGATGACATACATGACCACGAT 940
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/472,880
FILING DATE: 28-Dec-1999
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE DESCRIPTION: SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Jacobson, Price, Holman & Stern,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (hNT-R2)
NUMBER OF SEQUENCES: 12
CORRESPONDENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Type 2 Neurotensin Receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GCAGCCAGCAGATGACATACATGACCACGAT 940
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: PCT/FR 9723204 FILING DATE: 17-MAR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Washington STATE: D.C.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 400 Seventh Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 1575 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
                                                                                                                                                                                                                                                                                                                                                          Conservative
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Pascual FERRARA
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37..1266
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US-08-499-215-1/c
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US-09-200-090-1/c
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APPLICANT: Strand, Joann
APPLICANT: Hadcock, John R.
APPLICANT: Hadcock, John R.
TITLE OF INVENTION: No. 6420137el cDNA Encoding The Long and Short
TITLE OF INVENTION: Forms of The Human Neurotensin Subtype 2 Receptor
FILE REFERENCE: 0630/02792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 1
LENGTH: 1233
TYPE: DNA
ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 1, Application US/08499215 Patent No. 5612204
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Best Local Similarity 49.8%;
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CURRENT FILING DATE: 1998-11-25
NUMBER OF SEQ ID NOS: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Ver
SOFTWARE: & WOTGPERFECT VERSION 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1136 CTTGCACGAACACCCGCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGA 1195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1114 CTTCCAGGAAGAGTTTTCTGAAGGAGGAGGACACGGCGTTGTAGAGAAGAGGAGTCACAG 1055
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Saeki, Hisashi
APPLICANT: Miura, Akira
TITLE OF INVENTION: BIOLOGICAL DEGRADATIVE
TITLE OF INVENTION: TREATMENT OF CHLORINE-SUBSTITUTED ETHYLENE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1054 CTGAGCTGACGTAGAAAAGTATGTTGGTCACCATGTAGAAGTAGTGGTAGAAATTGTACA 995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1196 CCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGT 1255
             PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP Hei-6-179689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1316 GCATCCAGCATACGGCCAATGTCACAACAAT 1346
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                                                                                                                                                                                                                                                                                                                                                                            CITY: N.W.
STATE: Washington D.C.
                                                                       CLASSIFICATION: 435
                                                                                               APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                              ZIP: 20037-3202
                                                                                                                                                                                                                                                                                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET:
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                                                                                                                                                                                                                                                                                                                                                                                                                                    2100 Pennsylvania Avenue
                                                                                                                                                                                                                                                                                                                                                            U.S.A
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sughrue, Mion, Zinn, Macpeak & Seas
08-JUL-1994
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                                                                                                                                                                                                    Version
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Search completed: November 7, 2002, 15:58:56 Job time: 97.6676 secs
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NAME/KEY: CDS
LOCATION: 3805 .4830
OTHER INFORMATION: /product= "amod"
US-08-499-215-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 6379 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
NAME/KBY: CDS
LOCATION: 910..1935
OTHER INFORMATION: /product= "amoa"
                                                                                1234 ACCCCATGGTC 1224
                                                                                                                                                        1294 GCCAGGCGGCGTAGGACCTGGCGAGGATCTTCTGCGACCAGATGGGCGTGATCGCCGCCG 1235
                                                                                                                                                                                                                                                 1354 CGGACATGGCCTGGCGCACGGCGTAGGCCAGGCTCAGGAAGAGCCCCGTACTCGACGAATG 1295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ORIGINAL SOURCE:
STRAIN: No. 5612204ardia corallina B-276 (FERM P-4094; FERM
STRAIN: BP-5124; ATCC 31338)
                                                                                                                        1289 CAGCCATGATC 1299
                                                                                                                                                                                                  1229 GGAGGAGGATCATGTACGCCCGGGAAGTAGGACCTCCTCCAGTCGTGCTTGGGTTTGGCCG 1288
                                                                                                                                                                                                                                                                          1169 ACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGG 1228
                                                                                                                                                                                                                                                                                                                                    1413 GTCCTGGAGCAGCCGCATGCGGTCCA-CGGCCTGGAACACCACGCTGAACTGGACCGTGT 1355
                                                                                                                                                                                                                                                                                                                                                               1109 CTGCAGCGACAGGCGCACACCACCCTTGCACGAAACACCCGCCGAAACTGCTGCGAGG 1168
                                                                                                                                                                                                                                                                                                                                                                                                                       1473 GCGGGCCCCGGCGTCGCTGAATTCCGGCGACTCCTGCAGGTGGTCCAGGTGGTGGACGAT 1414
                                                                                                                                                                                                                                                                                                                                                                                                                                               1049 GCGGGCGCTGTCGGTGGAGGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTG 1108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: CDS
LOCATION: 2300..3802
OTHER INFORMATION: /product= "amoc"
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LOCATION: 1935..2285
OTHER INFORMATION: /product= "amob"
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Database
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Title:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Run on:
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length: 2000000000
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1619
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: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
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: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
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: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
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: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result

Query

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3.1	10.6	12.2	19.2	20.4	21.9	22.4	22.4	22.6	23.3	24.0	24.5	26.2	30.7	37.9	37.9	99.2	100.0	100.0	Match Length
1464	201	480	349	381	390	396	373	369	430	1010	409	558	1362	625	625	1897	1619	1619	
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	DB
US-09-149-045-1	US-09-867-701-8894	US-09-825-294-213	US-09-867-701-2409	US-09-867-701-7826	US-09-867-701-1532	US-09-825-294-9	US-09-867-701-1516	US-09-825-294-199	US-09-867-701-4251	US-09-825-294-212	US-09-867-701-4240	US-09-867-701-2375	US-09-825-294-208	US-09-867-701-10876	US-09-825-294-210	US-09-825-294-214	US-09-825-294-211	US-09-825-294-205	ID
Sequence 1, Appli	Sequence 8894, Ap	Sequence 213, App	Sequence 2409, Ap	Sequence 7826, Ap	Sequence 1532, Ap	Sequence 9, Appli	Sequence 1516, Ap	Sequence 199, App	Sequence 4251, Ap	Sequence 212, App	Sequence 4240, Ap	Sequence 2375, Ap	Seguence 208, App	76	Sequence 210, App	Sequence 214, App	Sequence 211, App	Sequence 205, App	Description

ALIGNMENTS

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COURENT APPLICATION NUMBER: US/09/825,294
COURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTWARE: PastSEQ for Windows Version 3.0
SEQ ID NO 205
LENGTH: 1619
TYPE: DNA
ORGANISM: Homo sapiens
US-09-825-294-205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-825-294-205
Sequence 205, Application
Patent no. US20020004491a1
GENERAL INFORMATION:
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APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN
FILE REFERENCE: 210121.484C5
                    181 CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT 240
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APPLICANT: W. Jiangchun

APPLICANT: Stolk, John A.

APPLICANT: Stolk, John A.

APPLICANT: Fling, Steven P.

APPLICANT: Fling, Steven P.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE CHILD REFERENCE: 210121.484CS

CURRENT APPLICATION NUMBER: US/09/825,294

CURRENT APPLICATION NUMBER: US/09/825,294

CURRENT FILING DATE: 2001-04-03

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 211

LENGTH: 1619

TYPE: DNA

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TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(1897)
OTHER INFORMATION: n = A
US-09-825-294-214
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APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CA
FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT TILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTMARE: FastSEQ for Windows Version 3.0
SEQ ID NO 214
LENGTH: 1897
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Matches 1616; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 214, Application US/09825294
Patent No. US20020004491A1
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; ORGANISM: Homo sapiens ; FEATURE; NAME/KEY: misc_feature; LOCATION: (1)...(625); OTHER INFORMATION: n = AUS-09-825-294-210
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SEQ ID NO 210
LENGTH: 625
TYPE: DNA
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APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
APPLICANT: Fling, Steven P.
APPLICANT: FILE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C5
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                                                                        CCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGA 1231
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Sequence 10876, Application US/09867701

Patent No. US20020132237A1

GENERAL INFORMATION:

APPLICANT: Aglate, Paul A.

APPLICANT: Jones, Robert

APPLICANT: HarlOcker, Susan L.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.497

CURRENT APPLICATION NUMBER: US/09/867,701

CURRENT APPLICATION NUMBER: 03/99/867,701

CURRENT FILING DATE: 2001-05-29

NUMBER OF SEQ ID NOS: 10912

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 10876

LENGTH: 625

TYPE: DNA

ORGANISM: Homo Sapiens

FEATURE:

NAME/KEY: misc_feature

LOCATION: 607
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US-09-867-701-10876
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                                  TAACACTGTTTCAAACCCGGGGGAGTTGGCTGTGTTAAAGAAAAGACCATTAAATGCTTTA 1591
                                                                                              GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA 479
                                                                                                                                                          GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA 147:
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                 CTGGGCAGACACGAGCAGGAGGGGAGAGACAGAGAAAAAGAAAAACACACGCATGAGAACACA 141
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99.7%;
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Pred. No. 2.2e-164; 
0; Mismatches 1; Indels
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              US-09-867-701-2375
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; Patent No. US20020132237A1
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; TYPE: DNA; Homo sapiens US-09-825-294-208
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LENGTH: 1362
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CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
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APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
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Local Similarity 99.0%;
les 511; Conservative
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RESULT 8
US-09-867-701-4240/c
US-09-867-701-4240/c
; Sequence 4240, Application US/09867701
; Patent No. US20020132237A1
; GENERAL INFORMATION:
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; LCCATION: (1)...(558)
; OTHER INFORMATION: n = A,T,C
US-09-867-701-2375
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CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2375
LENGTH: 558
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APPLICANT: Aglate, Paul A. APPLICANT: Jones, Robert APPLICANT: Harlocker, Susan
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Pred. No. 9.1e-111;
0; Mismatches 19;
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CURRENT APPLICATION NUMBER: US/09/867,701
COURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 4240
SEQ ID NO 4240
LENGTH: 409
TYPE: DNA
ORGANISM: Homo sapien
US-09-867-701-4240
δõ
                                                                                                                                                                                  APPLICANT: XU. Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FO
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF O:
FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT APPLICATION OF 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 3.0
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                                 Query Match
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Matches 465
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Matches 408;
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                                                                                                                    SEQ ID NO 212
LENGTH: 1010
TYPE: DNA
ORGANISM: Homo sapiens
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 GGCAACTTTTTTGCGGATTGTTCTTGCTTCC-AGGCTTTGCGCTGCAAATCCAGTGCTACC 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GGGGGAGTTGGCTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT
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Similarity 99.5%;
08; Conservative
                                                  Similarity
                                 Conservative
                                                  24.0%;
                                Score 388.4; DB 10
Pred. No. 2e-100;
0; Mismatches 31;
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                                                                                                                                                                                                                                                                                                 FOR THE
                                                                                                                                                                                                                                                                             OVARIAN CANCER
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APPLICANT: Aglate, Paul A.

APPLICANT: Jones, Robert

APPLICANT: Harlocker, Susan L.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.497

CURRENT APPLICATION NUMBER: US/09/867,701

CURRENT FILING DATE: 2001-05-29

NUMBER OF SEQ ID NOS: 10912

SOFFWARE: FRASESEQ for Windows Version 4.0

TYPE: DNA

ORGANISM: Homo sapien

US-09-867-701-4251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 10
US-09-867-701-4251
                                                                                                                                                                                                                        uest Local Similarity 96.3%;
Matches 419; Conservation
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                                                                                                                                                                                245 TCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCCTCTTTGTAACGGG 304
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                    CAAGG----CAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGG-CAGGGCTCCGCACCACC 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GGAGATGCCACCCCCCCCCTGCATTGTTCTTCCAGCCCTCGCCCCCAACCCCCCCACCTCCC 473
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                                                                                                                                                                                                                                     0
                                                                                                                                                                                                                                   Score 377.4; DB 10;
Pred. No. 1.5e-97;
0; Mismatches 11;
                                                                                                                                                                                                                                 11; Indels
                                                                                                                                                                                                                                                                    Length 430;
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GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Stolk, John A.

APPLICANT: Stolk, John A.

APPLICANT: Highe, Paul A.

APPLICANT: Filing, Steven P.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE

TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CA

FILE REFERENCE: 210121.484C5

CURRENT APPLICATION NUMBER: US/09/825,294

CURRENT FILING DATE: 2001-04-03

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 199

LENGTH: 369
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; OTHER INFORMATION: n = A,T,C
US-09-825-294-199
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Homo sapiens
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                301 CGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCAC
                                                                     241 CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCTGCAACACCCCCTCTTTGTAA
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                                                                                                                                       181 CCGCAAGTCCTGTGCATCAGCAGCCTGTCTCATCACCTTCTGCCGGGTACCAGTCCTT
                                                                                                                                                                                         121 GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA 180
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                                                                                                                                                                                                                                                           GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC 120
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                                                   CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAA
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AGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAACCGGA 415
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Pred. No. 3.6e-94;
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APPLICANT: AGIATE, Paul A.

APPLICANT: Jones, Robert

APPLICANT: Jones, Robert

APPLICANT: Harlocker, Susan L.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.497

CURRENT APPLICATION NUMBER: US/09/867,701

CURRENT APPLICATION NUMBER: US/09/867,701

CURRENT FILING DATE: 2001-05-29

NUMBER OF SEQ ID NOS: 10912

SOFTMARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 1516

LENGTH: 373
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Sequence 9, Application US/09825294
Patent No. US20020004491A1
GEMERRAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1516, Application Patent No. US20020132237A1
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Best Local
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                                                                                                                                                                                                                                                                                                                         AGAATTTAACACTGTTTCAAACCCGGGGGGGGTTGGCTGTGTTAAAGAAGACCATTAAAT 15
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Pred. No. 3.3e-93;
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LENGTH: 396
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(396)
; OTHER INFORMATION: n = A,T,C of
US-09-825-294-9
NAME/KEY: misc_feature
LOCATION: (1)...(390)
OTHER INFORMATION: n =
US-09-867-701-1532
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                                                                   SEQ ID NO 1532
LENGTH: 390
TYPE: DN:
ORGANISM: Homo sapien
FEATURE:
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CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 9
                                                                                                                                                                                                                                                                                                                                                              Sequence 1532, Application Patent No. US20020132237A1
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Matches 377;
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                                                                                                                                                                                             APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
                                                                                                                                                           NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSEQ for Windows Version 4.0
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97.7%;
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Pred. No. 3.5e-93;
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21.98;

Score 354;

DB 10;

Length

Local Similarity

98.78;

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APPLICANT: Aglate, Paul A.

APPLICANT: Aglate, Paul A.

APPLICANT: Harlocker, Susan L.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.497

CURRENT APPLICATION NUMBER: US/09/867,701

CURRENT EILING DATE: 2001-05-29

NUMBER OF SEQ ID NOS: 10912

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 7826

LENGTH: 381

TYPE: DNA

ORGANISM: Homo sapien

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                                                                      TGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCG 1025
                                                                                                                          TTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCCCCTCC 965
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                                                      TGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCG
                                                                                                           TTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGG-CTCGCTC 122
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                                                                    CACCCGCCGAAACTGCTGCGAGGACCCGTGTACAGGAGCGGGTTGATGACCGAGCTGAG
                                                                                                                                     AGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGCACGACAGCACC-TGCACGAA 300
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Search completed: November Job time: 80.3601 secs 7, 2002, 18:00:15

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Maximum DB seq length: 2000000000
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                          Pending_Patents_NA_Main:*

1: /cgn2_6/ptodata/l/pna/USO6_COMB.seq:*
2: /cgn2_6/ptodata/l/pna/USO6_COMB.seq:*
3: /cgn2_6/ptodata/l/pna/USO7_COMB.seq:*
4: /cgn2_6/ptodata/l/pna/USO8_COMB.seq:*
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11: /cgn2_6/ptodata/l/pna/USO8_COMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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RESULT 1

PCT-US01-45395-205

PCT-US01-45395-205

Sequence 205. Application PC/TUS0145395

Sequence 207. Application

APPLICANT: Corixa Corporation

APPLICANT: Stolk, John A.

APPLICANT: Stolk, John A.

APPLICANT: Fling, Steven P.

APPLICANT: Molesh, David Alan

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THE.

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121. 48401PC

CURRENT APPLICATION NUMBER: PCT/US01/45395

CURRENT FILING DATE: 2001-11-13

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 205

LENGTH: 1619

TYPE: NAM
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; ORGANISM: Homo
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Sequence 21, Appl
Sequence 2115, Ap
Sequence 7188, Ap
Sequence 6191, Ap
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                                                                                         CTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGAC
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RESULT 2
PCT-USO1-45395-211
Sequence 211, Application PC/TUSO145395
Sequence 211, Application PC/TUSO145395
GENERAL INFORMATION:
APPLICANT: Corixa Corporation
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Molesh, David Alan
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.48401PC
CURRENT APPLICATION NUMBER: PCT/US01/45395
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 211
LENCTH: 1619
TYPE: DNA
ORGANISM: Homo sapiens
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APPLICANT: Xu, Jiangchun

APPLICANT: Stolk, John A.

ITITLE OF INVENTION: COMPOSITIONS AND METHODS FOI

ITILE OF INVENTION: THERAPY AND DIAGNOSIS OF OV

FILE REFERENCE: 210121.484C4

CURRENT APPLICATION NUMBER: US/09/713,550

CURRENT FILING DATE: 2000-11-14

NUMBER OF SEQ ID NOS: 205

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 205
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RESULT 4
US-09-85-294-205
; Sequence 205, Application
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun

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APPLICANT: Algate, Paul A.

APPLICANT: Filng, Steven P.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN C.F. FILE REFERENCE: 210121.484C5

CURRENT APPLICATION NUMBER: US/09/825,294

CURRENT FILING DATE: 2001-04-03

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 205

LENCTH: 1619
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APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CI
FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 211
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; Sequence 211, Application US/09825294
; GENERAL INFORMATION:
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; ORGANISM: Homo
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US-09-970-966-205
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                                                                                                                                                                   SEQ ID NO 205
LENGTH: 1619
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APPLICANT: Molesh, David Alan
APPLICANT: Filing, Steven P.
APPLICANT: Filing, Steven P.
APPLICANT: You Jiangchun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C6
CURRENT APPLICATION NUMBER: US/09/970,966
CURRENT FILING DATE: 2001-10-02
                                                                                                                                                                                                                                                                                                                                                          Sequence 205, Applic GENERAL INFORMATION:
                                                                Matches 1619;
                                                                                            Query Match
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SOFTWARE: FastSEQ for
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Pred. No. 0;
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                                                      CGCGCACGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCAGCACACCACCTTGC 1140
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; LENGTH: 1619
; TYPE: DNA
; ORGANISM: Homo s
US-09-970-966-211
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US-09-970-966-211
Sequence 211, Application US/09970966
GENERAL INFORMATION:
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Best Local
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APPLICANT: Molesh, David Alan
APPLICANT: Fling, Steven P.
APPLICANT: Y. Jiangchun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C6
CURRENT APPLICATION NUMBER: US/09/970,966
CURRENT FILING DATE: 2001-10-02
NUMBER OF SEQ ID NOS: 215
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APPLICANT: MCNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
TITLE OF INVENTION: AND DIANOSIS OF OVARIAN CAN
FILE REFERENCE: 210121.484C7
CURRENT APPLICATION NUMBER: US/10/212,677
CURRENT FILTM DATE: 2002-08-02
NUMBER OF SEQ ID NOS: 288
SOFTWARE: FastSEQ for Windows Version 4.0
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APPLICANT: Chemault, Ruth A.
APPLICANT: Xu, Jiangchun
APPLICANT: Xu, Jiangchun
APPLICANT: Harlocker, Gary R.
APPLICANT: Harlocker, Susan L.
APPLICANT: McNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THE
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121 484C7
CURRENT APPLICATION NUMBER: US/10/212,677
CURRENT ETLING DATE: 2002-08-02
NUMBER OF SEQ ID NOS: 288
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LENGTH: 1897
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APPLICANT: Hing, Steven P.
APPLICANT: Molesh, David Alan
APPLICANT: Molesh, David Alan
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
TILE REFERENCE: 210121.48401PC
CURRENT APPLICATION NUMBER: PCT/US01/45395
CURRENT FILING DATE: 2001-11-13
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 4.0
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RESULT 11
US-09-825-294-214
; Sequence 214, Application U;
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; APPLICANT: Stolk, John A.
; APPLICANT: Fling, Steven I;
TITLE OF INVENTION: COMPOS;
; TITLE OF INFORTION THERAL
; FILE REFERENCE: 210121.4844
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               APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Algatte, Paul A.
APPLICANT: Algatte, Paul A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: THERRAPY AND METHODS
TITLE DE INVENTION: THERRAPY AND DIAGNOSIS OF
FILE REFERENCE: 210121.484C5
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Query Match Best Local

Similarity

99.2%; 99.8%;

Score 1606.2; Pred. No. 0;

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Length 1897;

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Match

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; TYPE: DNA
; ORGANISM: Homo
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                                                                                                                                                                                                                                                      Sequence 214, Application
                                                                                                  APPLICANT: Molesh, David Alan
APPLICANT: Fling, Steven P.
APPLICANT: Xu, Jiangchun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C6
CURRENT APPLICATION NUMBER: US/09/970,966
CURRENT FILING DATE: 2001-10-02
                                                                       NUMBER OF SEQ ID NOS:
SOFTWARE: FastSEQ for
                                                                                                                                                                                                          APPLICANT: Stolk, John A. APPLICANT: Molesh, David
                                           EQ ID NO 214
LENGTH: 1897
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GENERAL INFORMATION:
APPLICANT: Chenault, Ruth A.
APPLICANT: Xu, Jiangchun
APPLICANT: Xu, Jiangchun
APPLICANT: Fanger, Gary R.
APPLICANT: Harlocker, Susan L.
APPLICANT: MCNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIA
FILE REFERENCE: 210121.484C7
CURRENT APPLICATION NUMBER: US/10/212,677
CURRENT FILING DATE: 2002-08-02
NUMBER OF SEQ ID NOS: 288
SOFTMARE: FastSEQ for Windows Version 4.0
SEQ ID NO 214
LENGTH: 1897
TYPE: DNA
ORGANISM: Homo sapiens
US-10-212-677-214
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US-10-212-677-214
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TITLE OF INVENTION: Overl Nucleic Acids and TITLE OF INVENTION: Polypeptides FILE REFERENCE: 809ACIP PCT CURRENT APPLICATION NUMBER: PCT/US02/29964 CURRENT ELLING DATE: 2002-09-19 PRIOR FILING DATE: 2001-09-19 PRIOR PLICATION NUMBER: US 09/488,725 PRIOR APPLICATION NUMBER: US 09/488,725 PRIOR FILING DATE: 2000-01-21 PRIOR FILING DATE: 2000-04-25 PRIOR FILING DATE: 2000-04-25 PRIOR FILING DATE: 2000-12-22 PRIOR APPLICATION NUMBER: US 09/491,404 PRIOR APPLICATION NUMBER: US 09/496,914 PRIOR APPLICATION NUMBER: US 09/496,914 PRIOR APPLICATION NUMBER: US 09/496,914 PRIOR APPLICATION NUMBER: US 09/560,875 PRIOR APPLICATION NUMBER: US 09/560,875 PRIOR APPLICATION NUMBER: US 09/515,126 PRIOR APPLICATION NUMBER: US 09/515,126
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GENERAL INFO
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Wang, Jian Rui
Xue, Aidong J.
Wang, Dunrui
Ghosh, Malabika
Asundi, Vinod
Wehrman, Tom
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Goodrich, R
Weng, Gezhi
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Remaining Prior Application data
NUMBER OF SEQ ID NOS: 992
SOFTWARE: pt_FL_genes Version 6.
SEQ ID NO 16
LENGTH: 1967
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (338)..(763)
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CURRENT APPLICATION NUMBER: US/09/397,022
CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/106,443
PRIOR FILING DATE: 1998-10-30
PRIOR FILING DATE: 1998-10-30
PRIOR APPLICATION NUMBER: 60/107,257
PRIOR APPLICATION NUMBER: 60/107,257
PRIOR FILING DATE: 1998-11-05
PRIOR APPLICATION NUMBER: 60/126,906
PRIOR APPLICATION NUMBER: 60/126,906
PRIOR APPLICATION NUMBER: 60/132,099
PRIOR APPLICATION NUMBER: 60/132,099
                                                                                                                                                                                                                  Sequence 4454, Application US/09397022 GENERAL INFORMATION:
                                                                                                                                                APPLICANT: Gearing, David
APPLICANT: Holtcman, Dougl
TITLE OF INVENTION: HUCLEI
TITLE OF INVENTION: HUMAN
FILE REFERENCE: MLN98-46pw
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; NUMBER OF SEQ ID NOS:
; SOFTWARE: FastSEQ for
; SEQ ID NO 4454
; LENGTH: 1918
; TYPE: DNA
; ORGANISM: Homo sapiens
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US-10-267-255-96
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US-10-131-821A-207	-693A-	US-10-128-690A-207	US-10-128-686A-207	US-10-128-685A-207	US-10-128-684A-207	US-10-127-849A-207	•	-10-127-838B-		US-10-125-930A-207	•	٠	US-10-131-830A-207	US-10-128-689A-207	US-10-127-901A-207	US-10-127-850A-207	US-10-127-842A-207	US-10-127-837A-207
207,	•	207,	•	•	•	207,	•	Sequence 207, App	•	207,	•	207,	•	•	•	•	•	•

ALIGNMENTS

US-10-230-437-15 RESULT 1

Sequence 15, Application US/10230437 GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.

Desnoyers, Luc Gerritsen, Mary

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; TYPE: DNA
; ORGANISM: HOMO
US-10-230-437-15
                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR PPLICATION NUMBER: 60/063549
PRIOR PPLICATION NUMBER: 60/064103
PRIOR PPLICATION NUMBER: 60/064103
PRIOR PPLICATION NUMBER: 60/069873
PRIOR APPLICATION NUMBER: 60/069873
PRIOR APPLICATION NUMBER: 60/078910
PRIOR APPLICATION NUMBER: 60/079910
PRIOR APPLICATION NUMBER: 60/079294
PRIOR APPLICATION NUMBER: 60/079298
PRIOR APPLICATION NUMBER: 60/079298
PRIOR APPLICATION NUMBER: 60/079298
                                                                                                                                Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 15
LENGTH: 1524
     Query Match
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APPLICANT:
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CURRENT APPLICATION NUMBER: US/10/230,437
CURRENT FILING DATE: 2002-08-28
                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: 60/079728 PRIOR FILING DATE: 1998-03-27
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Grimaldi, J. Christopher
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Score 1373;

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Best Local Similarity

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                                     CGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGG
                                                 CGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGG
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CURRENT APPLICATION NUMBER: US/10/270,333
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/168,677
PRIOR FILING DATE: 1999-12-03
PRIOR FILING DATE: 1999-12-03
PRIOR APPLICATION NUMBER: 60/175,691
PRIOR APPLICATION NUMBER: 60/191,638
PRIOR APPLICATION NUMBER: 60/191,638
PRIOR APPLICATION NUMBER: 60/191,638
PRIOR FILING DATE: 2000-03-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 38, Application US/10270333
GENERAL INFORMATION:
APPLICANT: Cravchik, Anibal
                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 198
SOFTWARE: FastSEQ for Windows Version
SEQ ID NO 38
LENGTH: 2196
                                                                                                                                                                                                                                                              Matches
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: ISOLATED G-PROTEIN COUPLED RECEPTORS,
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING GPCR PROTEINS, AND USES
TITLE OF INVENTION: THEREOF AS INSECTICIDAL TARGETS
                                                                                                                                                                                                                                                                                                                                        LENGTH: 2196
TYPE: DNA
ORGANISM: Drosophila
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GCAGGCAGACGAAGAAGGACAGCACAA
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                            TCCAGCATACGGCCAATGTCACAACAA 1345
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                                                              GATCGTGCAGTGTTTGGTCCGTGCTGAGGATGATCCACAGGGTGAGGACGCGGAAGGGCA
                                                                                              ACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCA 1318
                                                                                                                              AGTTGAGGTACAACATGATCCTACAGAAGTACAGCAAGCTGTAGTAGCGCACCAATCCCA 680
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CURRENT FILING DATE: 2002-10-04

NUMBER OF SEQ ID NOS: 141

SOFTWARE: PatentIn version 3.1

SEQ ID NO 67

LENGTH: 667

TYPE: DNA
ORGANISM: Gallus gallus
FEATURE: NAME/KEY: misc_feature
OTHER INFORMATION: Human extended sequence for VOG3_71

US-60-416-172-67
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                         Query Match 2.4%;
Best Local Similarity 47.7%;
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       Matches 144; Conservative
                                                                                                                                                                                                                                                                                                                                            APPLICANT: Chang, Hwal Wen
APPLICANT: Felts, Katherine A.
APPLICANT: Warren, Amy J.
APPLICANT: Cooper, Judith R.
TITLE OF INVENTION: Genes from Human Cancer Cells and Human Tumors
FILE REFERENCE: 216019-153
CURRENT APPLICATION NUMBER: US/60/416,172
CURRENT FILING DATE: 2002-10-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 49.8 Matches 103; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/168,677
PRIOR TILING DATE: 1999-12-03
PRIOR APPLICATION NUMBER: 60/175,691
PRIOR FILING DATE: 2000-01-12
PRIOR APPLICATION NUMBER: 60/191,638
PRIOR FILING DATE: 2000-03-23
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TITLE OF INVENTION: ISOLATED G-PROTEIN COUPLED RECEPTORS,
TITLE OF INVENTION: MUCLEIC ACID MOLECULES ENCODING GPCR PROTEINS, AND
TITLE OF INVENTION: THEREOF AS INSECTICIDAL TARGETS
FILE REFERENCE: CL000733CON
CURRENT FILING DATE: 2002-10-15
CURRENT FILING DATE: 2002-10-15
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ORGANISM: Drosophila
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2625 GCAGGCAGACGAAGAAGGACAGCACAA 2599
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1319 TCCAGCATACGGCCAATGTCACAACAA 1345
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1259 ACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCA 1318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2745 AGTTGAGGTACAACATGATCCTACAGAAGTACAGCAAGCTGTAGTAGCGCCACCAATCCCA 2686
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1199 AGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGG 1258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2805 GCTTGAAACCCCTTCGAAACTTGGTCGACATCAGGTTGTAAAGAATCGGATTCATGGCCG 2746
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1139 GCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCG 1198
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49.8%; Pred. No. 0.13;
ative 0; Mismatches 104; Indels 0
  0; Mismatches 157; Indels
                         Score 38.8; DB Pred. No. 0.11;
                                                DB 7;
                                                Length 667;
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TITLE OF INVENTION: ISOLATED G-PROTEIN COUPLED RECEPTORS,

TITLE OF INVENTION: ISOLATED G-PROTEINS ENCODING GPCR PROTEINS, AND USES

TITLE OF INVENTION: THEREOF AS INSECTICIDAL TARGETS

FILE REFERENCE: CL000733CON

CURRENT APPLICATION NUMBER: US/10/270,333

CURRENT FILING DATE: 2002-10-15

PRIOR APPLICATION NUMBER: 60/168,677

PRIOR FILING DATE: 1999-12-03

PRIOR FILING DATE: 2000-01-12

PRIOR FILING DATE: 2000-01-12

PRIOR APPLICATION NUMBER: 60/191,638

PRIOR APPLICATION NUMBER: 60/191,638

PRIOR APPLICATION NUMBER: 60/191,638

PRIOR APPLICATION UNBER: 60/191,638

PRIOR FILING DATE: 2000-03-23

NUMBER OF SEQ ID NOS: 198

SOFTWARE: FRASTSEQ for Windows Version 4.0

FUENCH: 990
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; ORGANISM: Drosophila
US-10-270-333-116
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                                                    Sequence 115, Application US/10270333
GENERAL INFORMATION:
APPLICANT: CTAVChik, Anibal
TITLE OF INVENTION: ISOLATED G-PROTEIN COUPLED RECEPTORS,
TITLE OF INVENTION: THEREOF AS INSECTICIDAL TARGETS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 116, Application US/10270333 GENERAL INFORMATION:
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FILE REFERENCE: CL000733CON CURRENT APPLICATION NUMBER: US/10/270,333
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       972 GAAGGCCTTCCGGAAATTCTCGGAGAGGAAGGCGTAGAGCAGCGGATTGATACACGAGCT 913
                                                                                                                                                                                                                                                                                                                                                           912 GCTGTAGGCCAGAGTCTGGGCGGTGACCTGGATGACTAGCTTGGTGAGGGTGTTCGTC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
les 66; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
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Pred. No. 1.9;
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                                                                                      GPCR PROTEINS, AND USES
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US-10-240-485-111/c

: Sequence 111, Application US/10240485

: GENERAL INFORMATION:
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; ORGANISM: Drosophila
US-10-270-333-115
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                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens) US-10-240-485-111
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PRIOR APPLICATION NUMBER: 60/168,677
PRIOR FILING DATE: 1999-12-03
PRIOR APPLICATION NUMBER: 60/175,691
PRIOR FILING DATE: 2000-01-12
PRIOR PPLICATION NUMBER: 60/191,638
PRIOR FILING DATE: 2000-03-23
                                                                                                                                                                                                                                              2.1%;
Best Local Similarity 46.5%;
Matches 112: Conservative
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Best Local Similarity 55.9%;
Matches 66; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 111
LENGTH: 15825
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PRIOR APPLICATION NUMBER: DE 10019058.8
PRIOR EILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR FILING DATE: 2000-06-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Diagnosis of Diseases Associated with TITLE OF INVENTION: Metastasis FILE REFERENCE: 5013.1007
CURRENT APPLICATION NUMBER: US/10/240,485
CURRENT FILING DATE: 2002-10-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR FILING DATE: 200 NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: OLEK, Alexander APPLICANT: PIEPENBROCK, Christian
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT FILING DATE: 2002-10-02 PRIOR APPLICATION NUMBER: PCT/EP01/03970
                                                                  · 1278 ACCTAACTCTTCACATTTCTTCTATACATTAATAACTCAAACTACAAAATCTTTAACAAA 1219
                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
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                                                                                                                                                                 1379 ACAGAGAAAAAGAAAACACAGCATGAGAACACAGTAAATGAATAAAACCATAAAATATTT 1438
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                    1499 GACAGCTTCTTTTGCCACAAGCAAGAGAAGTTTAACCACTGTTTCAAACCCGGGGGAGTT 1558
                                                                                                                   AGCCCCTCTGTTCTGCCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACTT 1498
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Pred. No. 5.5;
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Pred. No. 11;
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                                                                                                                                                                                                                                                                                                                 DB 6;
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                                                                                                                                                                       Sequence 1, Application US/10270377
GENERAL INFORMATION:
APPLICANT: Hudson, et al.
TITLE OF INVENTION: Prostatic Growth Factor
FILE REFERENCE: PF149D2
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SEQ ID NO 1585
LENGTH: 135259
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APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                                   CURRENT APPLICATION NUMBER: US/10/270,377
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 09/361,741
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: 09/461,418
PRIOR FILING DATE: 1999-11-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: PCT/US01/09847
PRIOR FILING DATE: 2001-03-28
PRIOR APPLICATION NUMBER: US 60/193,446
PRIOR FILING DATE: 2000-03-31
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CURRENT FILING DATE: 2002-09-30
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TITLE OF INVENTION: Gene Expression Profiles in Esophageal Tissue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Williams, Amanda
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILE REFERENCE: 44921-5026
                PRIOR APPLICATION NUMBER: 08/411,607 PRIOR FILING DATE: 1995-04-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   86356 GACAGCTGATGTGTGCTCCAGGGGGAAAATGTGTAATGCTGAGACACACCCCAGTGAAGTT 86297
                                                                                                                                                                                                                                                                                                                                                         86236 A 86236
                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo sapiens FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Genbank Accession No. 283838
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1499 GACAGCTTCTTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACCCGGGGGGAGTT 1558
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1619 A 1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1218 AACCTCTTCCCTAAAACTCCAAAAAAACTTACAATAAACCGAAATCACACCACTACACTCC 1159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2.1%;
Local Similarity 55.4%;
es 67; Conservat;
APPLICATION NUMBER: US94/14578
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Lord, Reginald Alvarez, Chris
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Boland, Joseph
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Scheri, Uwe
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 34.6; Di
Pred. No. 40;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    54; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 135259;
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APPLICANT: Scherf, Uwe
APPLICANT: Vockley, Joseph G.
TITLE OF INVENTION: Gene Expression Profiles in Esophageal Tissue
FILE REFERENCE: 44921-5026
CURRENT APPLICATION NUMBER: US/10/240,425
CURRENT FILING DATE: 2002-09-30
PRIOR APPLICATION NUMBER: PCT/US01/09847
PRIOR APPLICATION NUMBER: US 60/193,446
PRIOR APPLICATION NUMBER: US 60/193,446
PRIOR FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 1588
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 334
LENGTH: 1201
TYPE: DNA
OPERANTSM: HOMO Sablens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Williams, Amanda
APPLICANT: Boland, Joseph F.
APPLICANT: Lord, Reginald V.
APPLICANT: Alvarez, Chris
APPLICANT: Wetzel, Jon C.
APPLICANT: Scherf, Uwe
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Best Local Similarity 48.5%;
Matches 128; Conservation
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LENGTH: 1024
TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 334, Application US/10240425
                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
NAME/KEY: CDS
LOCATION: (64)..(948)
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: PatentIn version 3.1
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                                                                                                                                                                                     OTHER INFORMATION: Genbank Accession No. AB000584
                                                                                                                                                                                                                  FEATURE:
1031 CAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCG 1090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1266 CCAGTCGTGCTTGGGTTTGGCCGC 1289
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1151 GCCGAAACTGCTG-----CGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAC 1205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1091 CTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCAGCAGCACCACCACCACCACCACCACCC 1150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1031 CAACGGGCGCTGCACAAAGCGGGGGGGTGTGGTGGAGTGCGCATGTACGCGCAGGCG 1090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         771
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      651 TTGCTGCCGTCTGCACACGGTCCGCGCGCGTCGCTGGAAGACCTTGGGCTGGGCCGATTGGGT 710
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              591 CAGGGGGGGCGCAGAGCGCGTGCGCGCAACGGGGACCACTGTCCGCTCGGGCCCGGGCG 650
                                                                   / Match 2.1%; Score 34.4; DB 6; Length 1 Local Similarity 48.5%; Pred. No. 2.7; nes 128; Conservative 0; Mismatches 131; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GCCAGCGCCCTGCTGCGTGCCCGC
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Pred. No. 2.5;
0; Mismatches 131; Indels
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                                                                                                                Length 1201;
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                                                                     Gaps
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US-10-267-255-76/c
; Sequence 76, Application US/10267255
; GENERAL INFORMATION:
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; ORGANISM: Streptomyces lavendulae
US-10-267-255-96
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US-10-267-255-96/c
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                                                                                  RESULT 12
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PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: US 08/624,447
PRIOR FILING DATE: 1996-08-19
PRIOR APPLICATION NUMBER: PCT/US94/11279
PRIOR APPLICATION NUMBER: DOS 133,963
PRIOR APPLICATION NUMBER: US 08/133,963
PRIOR FILING DATE: 1993-10-07
NUMBER OF SEQ ID NOS: 145
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SOFTWARE: FastSEQ for
SEQ ID NO 96
LENGTH: 18331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 2.1%; Score 34; DB 6; Length 18331; Best Local Similarity 50.6%; Pred. No. 18;
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APPLICANT: Varoglu, M
APPLICANT: He, M
APPLICANT: Sheldon, P
TITLE OF INVENTION: Mitomycin biosynthetic gene cluster
FILE REFERENCE: 600.456US1
CURRENT APPLICATION NUMBER: US/10/267,255
CURRENT FILING DATE: 2002-10-09
CURRENT FILING DATE: 2002-10-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Sherman, D
APPLICANT: Mao, Y
                                                                                                                                                               15959 CCACCGCTGATGCTCGCAACTGGCGCCCCCCCCACGGCAACT 15918
                                                                                                                                                                                                                                                                    16019 GGTCGCGGCAGCGCTCCGCCGCTCGGACTCCACCGGCCAGCGGATCAGCTCCACCCTCT 15960
                                                                                                                                                                                                                                                                                                                                                                       16079 GETCCACGCACAAGGGTGCCTCGGCCCCCGCCTCCAGCACCAGGATCCGCATGACGCCCC 16020
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                                                                                                                                                                                                             429 TCCTGCATTGTTCCTTCCAGCCCTCGCCCCAACCCCCCACCT 470
                                                                                                                                                                                                                                                                                                                                                                                                                              309 GGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCACCACCATCC 368
                                                                                                                                                                                                                                                                                                                     369 TGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATGCCACCCCC 428
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    82;
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APPLICANT:

Varoglu, M He, M

APPLICANT: Sherman, D
APPLICANT: Mao, Y

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; ORGANISM: Streptomyces lavendulae
US-10-267-255-76
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PRIOR FILING DATE: 1999-03-12
PRIOR PPLICATION NUMBER: US 08/624,447
PRIOR FILING DATE: 1996-08-19
PRIOR APPLICATION NUMBER: PCT/US94/11279
PRIOR FILING DATE: 1994-10-06
PRIOR APPLICATION NUMBER: US 08/133,963
PRIOR FILING DATE: 1993-10-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Cravchik, Anibal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 2.1%;
Best Local Similarity 50.6%;
                                                                                                                                                       Matches
                                                                                                                                                                                              Query Match
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                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: ISOLATED G-PROTEIN COUPLED RECEPTORS,
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING GPCR PROTEINS, AND USES
TITLE OF INVENTION: THERBOF AS INSECTICIDAL TARGETS
FILE REFERENCE: CL000733CON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Sheldon, P
TITLE OF INVENTION: Mitomycin biosynthetic
FILE REFERENCE: 600.456US1
CURRENT APPLICATION NUMBER: US/10/267,255
CURRENT FILING DATE: 2002-10-09
                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 60/191,638 PRIOR FILING DATE: 2000-03-23 NUMBER OF SEQ ID NOS: 198
                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/168,677
PRIOR FILING DATE: 1999-12-03
PRIOR APPLICATION NUMBER: 60/175,691
PRIOR FILING DATE: 2000-01-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/10/270,333
CURRENT FILING DATE: 2002-10-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE:
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                                                                                                                                                                                                                                                                                                                                                          SOFTWARE:
                                                                                                                                                                                                                                                                 ORGANISM: Drosophila
                                                                                                                                                                                                                                                                                     TYPE: DNA
                                                                                                                                                                                                                                                                                                        LENGTH: 4902
                                                                                    1144 AACACCCGCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTTGATGACCGAGCTG 1203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH:
                  1204 AGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCCGGAAGTAGGACCTC 1263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3810 CCACCGCTGATGCTCGCAACTGGCGCCCCCCCCCACGGCAACT 3769
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3930 GGTCCACGCACAAGGGTGCCTCGGCCCCCGCCTCCAGCACCAGGATCCGCATGACGCCCC 387:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   429
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   369 TGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATGCCACCCCC 428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        309 GGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCACCACCATCC 368
                                                                                                                                                                            Local Similarity
                                                             AAAGCCTCACGAAACTTGTGGCTCATGATGTTGTAGAGCAGCGGGTTGATGCAAGTTGAG 2198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TCCTGCATTGTTCCTTCCAGCCCTCGCCCCCAACCCCCCACCT 470
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                                                                                                                                                  114;
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PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: DE 10019058.8
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
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SEQ ID NO 176
LENGTH: 23683
TYPE: DNA
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CURRENT FILING DATE: 2002-10-02
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                                                                                              15195 AACACAAA 15188
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
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Sequence 1277, Application US/10264237 GENERAL INFORMATION:

APPLICANT: Birse et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

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score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

RESULT 1 AK094501 LOCUS DEFINITION		C 44 44	41 42	C 37 38	35 4 3 2	0 C 30			22 24 24	20 21		c 15		0 0 0 111	_	10 G	4 G B 4	Result No.
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<pre>bp mRNA linear PRI 15-JUL-2002 .s, clone BRALZ2001350, weakly similar GTPase-activating protein (RGS20)</pre>		Homo	AF176571 Alternari AX056994 Sequence AF514845 Rana cate BC034500 Homo sabi	AC110232 MUS MUSCU AC069297 MUS MUSCU AL133395 Human DNA AF297044 Zea mays	Homo Homo Mus	Mouse Polypt	AC112072 Rattus no AC1807806 Mus muscu	Homo sa Drosoph	Sequence Homo sap	Homo sa	AB041649 Mus muscu AB023338 Rattus no	Sequence Homo sap	Sequenc Sequenc		n va II :	Homo sap Sequence	Sequence Sequence	000

	SOURCE	KEYWORDS	VERSION	ACCESSION			DEFINITION	LOCUS	AK094501	TOO OFF T
2	Homo s	oligo	AK0945	AK0945	mRNA.	to Hom	Homo s	AK0945		

ORGANISM Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 CTOILE 501 501.1 GI:21753575 Capping; fis (full insert sequence). sapiens alzheimer cortex cDNA to mRNA, :BRALZ2001350. clone_lib:BRALZ2

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                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
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/db_xref="G1:21753576"
/db_xref="G1:21753576"
/translation="MWCIGIAATFCGLFLLPGFALQIQCYQCEEFQLNNDCSSPEFIV
NCTVNVQDMCQKEVMEQSAGIMYRKSCASSAACLIASAGYQSFCSPGKLNSVCISCCN
TPLCNGPRPKKRGSSASALRPGLRTTILFLKLALFSAHC"
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/clone_lib="BRALZ2"
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/clone="BRALZ2001350"
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 CCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGG
                       TGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCCTCGCCCCAA
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SOURCE ORGANISM VERSION KEYWORDS

Homo sapiens human Sequence 203 AX136281 AX136281.1 G

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from Patent EP1067182. 1890

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Best Local Similarity 99.7:
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Secretory protein or membrane protein Secretory protein or membrane protein Patent: EP 1067182-A 203 10-JAN-2001; Helix Research Institute (JP)
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Qy	1159	AGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGG 1	7
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Qy		GTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGAC 13	9
Дb	1351	CGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGAC 14	1
Qy	39	GGCGGCAGCACAGCACCTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCCGTGTAC 14	5
В	1411	GCGGCAGCACACCTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTAC 14	7
Qy	1458	GGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATC 15	
Db	1471	GAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATC 15	30
Qy	1518	GGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATC 15	77
Db		TGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATC 15	90
Qy	1578	GGTTGGGCATCCAGCATACGGCCAATGTCACAAACAATCAGCCCTGGGCAG 16	37
Ę	Ú	TCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAG 16	50
δ		ACACGAGCAGGAGGGAGAGAGAGAAAAGAAAACACAGCATGAGAACACAGTAAATGA 16	
Db		CACGAGCAGGAGGAGAGAGAAAAAGAAAAACACAGCATGAGAACACAGTAAATAA 17	10
Qy	86	AACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCA 17	57
В	11	TAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCA 17	
Qy	1758	GCCACAAGCAAGAGAGAATTTAACACTG 18	17

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Shah,N., Meyer,R., Boyer,E. and Dignan,G.
The sequence of Homo sapiens BAC clone RP11-258B17
Unpublished (2001)
3 (bases 1 to 12007)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Direct Submission
Direct Submission
Direct Submission
Submitted (09-JAN-2002) Department of Genetics, Washington
University, 4444 Forest Park Avenue, St. Louis, Missouri 6:
On Aug 9, 2001 this sequence version replaced gi:14488388.

Genome Center
On Aug 9, 2001 this sequence version replaced gi:14488388.
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Sulston, J.E. and Waterston, R.
Toward a complete human genome sequence Genome Res. 8 (11), 1097-1108 (1998)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Direct Submission
Submitted (09-AUG-2001) Genome Sequencing Center, Washington
University School of Medicine, 4444 Forest Park Parkway, St. Louis,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MO 63108,
5 (bases
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Direct Submission
                                                                                                                                                                        This sequence was finished as follows unless otherwise noted: all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by
                                                                                                                                                                                                                                                                                                                                                           NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap between neighboring data submissions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Waterston, R.
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                        Mapping information for this clone was provided by Dr. John D. McPherson, Department of Genetics, Washington University, St. MO. For additional information about the map position of this
                                                                                                    MAPPING INFORMATION:
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sequence, see http://genome.wustl.edu/gsc
                                                                                                                                                        restriction digest.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Web site: http://genome.wustl.edu/gsc
Contact: sapiens@watson.wustl.edu
Summary Statistics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Center project name: H_NH0258B17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Center: Washington University Genome Sequencing Center Center code: WUGSC
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The RPCI-11 human BAC library was made from the blood of one male donor, as described by Osoegawa, K., Woon, P.Y., Zhao, B., Frengen, E., Tateno, M., Catanese, J.J. and de Jong, P.J. (1998) An improved approach for construction of bacterial artificial chromosome libraries. Genomics 51:1-8. The clone may be obtained either from Research Genetics, Inc. (http://www.resgen.com) or Pieter de Jong and coworkers at the Roswell Park Cancer Institute
The clone sequenced to the left is RP11-1L22; the clone sequenced to the right is RP11-159N20, 20000 bp overlap. Actual start of thiclone is at base position 1 of RP11-258B17; actual end is at base position 60003 of RP11-159N20.
                                                                                                                                                                              NEIGHBORING SEQUENCE INFORMATION:
                                                                                                                                                                                                                    (http://bacpac.med.buffalo.edu)
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                 /rpt_family="MaLR"
15532. .15847
                                                                                                                                                                                                                                                       /rpt_fami
17238. .1
                                                                                                                                                                                                                                                                                 /rpt_fami.
16810. .1
                                                                                                                                                                                                                                                                                                                                                                                               /rpt_fami
14175. .1
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                          /rpt_family="(TG)n"
20170. .20305
                                                                                 /rpt_family="ERV1"
19260. .19628
                                                                                                                                                                    /rpt_
18434
                                                                                                                                                                                                /rpt_
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16629
                                                                                                                                                                                                                                                                                                                                                                                                                         /rpt_family="(TTG)n"
14016. .14171
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2346. .2370
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note="match to EST BF804362 (NID:g12133351)"
1388. .1412
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="Homo sapiens"
/db_xref="taxon:9606"
/chromosome="2"
/rpt_family="MER1_type" 20618. .20756
                                                                                                             /rpt_family="ERV1"
19144. .19250
                                                                                                                                         /rpt_family="ERV1"
18933. .19074
                                                                                                                                                                                                                                                                                                                                        /rpt_family-"Alu"
16269. .16605
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /clone_lib="RPCI-11"
488. .779
                                                        20104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             rpt_family-"AT_rich"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /clone="RP11-258B17"
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                                                                  /rpt_family="ERV1"
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                                                        .20145
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                                                                                                                                                     /rpt_family="(TTTTG)n"
35361. .35676
                                                                                                                                                                                                                                                                34079
                                                                                                                                        rpt_family-"Alu"
                                                                                                                                                                                      note="match to EST BG956501 (NID:g14374672)"
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12667. .32787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note="match to EST BF736070 (NID:g12062744)"
28834. .28958
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                                                                                             Score 1328; DB 9; Length 129676; Pred. No. 0;
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                                                                                                                                                                                             119781 CAGCACCTGCACGAACACCCGGCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTT 119722
                                                                                                                                                                                                                                                                119841 GTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCAGCA 119782
                  1589 GTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGG 1648
                                                                                                                                                                                                              1409 CAGCACCTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGGTT 1468
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                                                                                                                                          1469 GATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCG 1528
                                                                                                                                                                                                                                                                                  1349 GTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGAGCAAGGCGGCAGCA 1408
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                                                                                                                              CTCCTCCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGA
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AGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTG
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Sequence 3 from Patent W00181634.
AX319944
AX319944.1 GI:17901491
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SYTLSCKLHTFLFEACSYATLLHVLTLSFERYIALICHPFRYKAVSGPCQVKLLIGFVW
VTSALVALPLLFAMGTFYFLVHVVSHRCLTCNNSSTRHHEQPETSNMSICTNLSSRWT
VFQSSIFGAFVVYLVVLLSVARMCWNMMQVLMKSQKGSLAGGTRAPQDLRKSESEESRT
VRQSSIFGAFVVYLVVLLSVARMCWNMMQVLMKSQKGSLAGGTRAPQDLRKSESEESRT
ARRQTIIFLLTVVTLAVCMMPNQIRNMAAKKPKIDMTRSYFRAYMILLPFSETFFY
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                                                                                                                 CCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGA 1509
                                                                                                                                              GGGCGCTGTCGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCT
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 CCATGATCCTCCGAATCTGGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCC 1629
                                                         GGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAG 1569
                                                                                                                                                                             GCAGCGACAGGCGGCAGCACCAGCACCTGCACGAACACCCCGCCGAAACTGCTGCGAGGACA 1449
                               GGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAG
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Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortlum/LLNL at: http://image.llnl.gov Series: IRAL Plate: 39 Row: b Column: 19
This clone was selected for full length sequencing because it passed the following selection criteria: Hexamer frequency ORF analysis, Similarity but not identity to protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Contact: nisc_mgc@nhgri.nih.gov
Shevchenko,Y., Wetherby,K.D., Beckstrom-Sternberg,S.M.,
Benjamin,B., Blakesley,R.W., Bouffard,G.G., Brinkley,C., Brooks,S.,
Benjamin,B., Guan,X., Gupta,J., Ho,S.-L., Karlins,E., Legaspi,R.,
Lim,M., Maduro,Q.L., Masiello,C., Mastrian,S.D., McCloskey,J.C.,
McDowell,J., Pearson,R., Snyder,B., Stantripop,S., Thomas,P.J.,
Tiongson,E.E., Touchman,J.W., Tsurgeon,C., Vogt,J.L., Walker,M.A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cDNA Library Preparation: Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortiu
DNA Sequencing by: National Institutes of Health
Sequencing Center (NISC),
Gaithersburg, Maryland;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Contact: MGC help desk
Email: cgapbs-r@mail.nih.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (05-NOV-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer
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BC017318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Zhang, L.-H. and Green, E.D.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NIH-MGC Project URL: http://mgc.nci.nih.gov
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mmalia; Eutheria;
(bases 1 to 946)
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                                                     Conservative
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                                                                                                                                       /translation="MWVLGIAATFCGLFLLPGFALQIQCYQCEEFQLNNDCSSPEFIV
NCTVNVQDMCQKEVMEQSAGIMYRKSCASSAACLIASAGYQSFCSPGKLNSVCISCCN
TPLCNCPRPKKRGSSASALPFCLRTTILFLKLALFSAHC"
292 c 261 g 196 t
                                                                                                                                                                                                              /product="Unknown (protein for MGC:29643)"
/protein_id="AAH17318.1"
/db_xref="GI:16878240"
                                                                                                                                                                                                                                                                                                                        /organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="MGC:29643 IMAGE:3641660"
/tlssue_type="Pancreas, adenocarcinoma"
/clone_lib="NIH_MGC_39"
/lab_host="DH10B-R"
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                  /codon_start=1
                                                                                                                                                                                                                                                                                                     /note="Vector: pOTB7"
                                                                  45.2%;
99.9%;
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Homo sapiens, clone IMAGE:4026092,
BC011449
                                                        Homo sapiens.
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                                                                               AGTCGTGCTTGGGCTTTGGCCGCAGCATGATCCTCCGAATCTTGGGCATCCAGCATA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: MGC help desk
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: AFCC_DCTD/DTP
CDNA Library Preparation: Rubin Laboratory
cDNA Library Arrayed by: The I.M.A.G.E. Consortium
DNA Sequencing by: Institute for Systems Biology
http://www.systemsbiology.org
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         contact: amadan@systemsbiology.org Anup Madan, Rachel Dickhoff, Jessica Fahey,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Submitted (25-JUL-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      analysis.
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/db_xref="taxon:9606"
/clone="IMAGE:4026092"
/tissue_type="Skin, melanotic mu/clone_lib="NIH_MGC_20"
/lab_host="DH10B-R"-
/note="Vector: poTB7"
/ a 197 c 228 g 164 t
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Secretory protein or membrane Patent: EP 1067182-A 478 10-JJ Helix Research Institute (JP)
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immalia; Eutheria; Primates; Catarrhini; Hominidae;
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ca,T., Isogai,T., Nishikawa,T., Kawai,Y., Sugiyama,
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/db_xref="taxon:9606"
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    CACCCGCCGAAACTGCTGCGAGGACCCGTGTACAGGAGCGGGTTGATGACCGAGCTGAG
                                                               CAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGGCGGCAGCACAGCACCAGCCTGCACGAA 1423
                                                                                                                   GAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCG 1363
                                                                                                                                                                                                   CTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGC 1303
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                                          CAGGCGCTTCTCGTGGTTTGGCGTGCTGCAGCGACAGGCGGCAGCAGCACCTGCACGAA 1063
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Sequence 1 from Patent WOO181634,
AX319942
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Galvin,K.A. and Rudolph-Owen,L.A. Methods and compositions for the diagnosis and treatment cardiovascular and tumorigenic disease using 4941 Patent: WO 0181634-A 1 01-NOV-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Millennium Pharmaceuticals, Inc. (US)
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McKee, K.K., Tan, C.P., Palyha, O.C., Liu, J., Feighner, S.D., Hreniuk, D.L., Smith, R.G., Howard, A.D. and Van der Ploeg, L.H. Cloning and characterization of two human G protein-coupled receptor genes (GPR38 and GPR39) related to the growth hormone secretagogue and neurotensin receptors Genomics 46 (3), 426-434 (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Direct Submission
Submitted (17-NOV-1997) Biochemistry and
Inc., PO Box 2000, Rahway, NJ 07085, USA
Location/Qualifiers
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McKee, K.K., Tan, C.P.,
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                                                                          /translation="MASPSLPGSDCSQIIDHSHVPEFEVATWIKITLILVYLIIFVMG
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hormone secretagogue
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Der Ploeg,L.H.T. and Howard,A.D.
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Best Local Sim
Matches 506;
                                                                                                                                                                            JOURNAL
                                                                                                                                                                                        TITLE
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          1461 AGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATG 1520
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Sequence
AX136698
                                                                                                                                                Secretory protein or membrane protein
Patent: EP 1067182-A 620 10-JAN-2001;
Helix Research Institute (JP)
Location/Qualifiers
                                                                                                                                                                                                 Ota,T., Isogai,T., Nishikawa,T., Kawai,Y.,
Hayashi,K.
                                                                                                                                                                                                                    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammaalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 587)
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                                                                                                      /organism="Homo sapiens"
/db_xref="taxon:9606"
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                                            Score 366; DB 6;
Pred. No. 3e-207;
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                        TTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGA
                                      TTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGA 1773
                                                                          GAGACAGAGAAAAAGAAAACACAGCATGAGAACACAGTAAATGAATAAAACCATAAAATA 1713
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AX150120
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1 (Dases 1 to 444)
Kroes,R.A., Moskal,J.R. and Yamamoto,H
Differential gene expression in cancer
Patent: WO 0136685-A 95 25-MAY-2001;
NYXIS NeuroTherapies, Inc. (US)
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/db_xref="taxon:9606"
113 c 94 g 14
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Primates;
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; Pred. No. 4.6e-206;
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  Eukaryota; Metazoa;
Mammalia; Eutheria;
                           Homo sapiens
                                                                          Sequence 199 from Patent Ax093381
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                                                               AX093381.1
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/db_xref="taxon:9606"
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117 c 95 g
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Catarrhini;
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Homo sapiens BAC clone RP11-159N20
AC010974
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            Waterston, R.H.
                                     8
                                          Direct Submission
Submitted (28-SEP-1999) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St.
                                                                                 3 (bases 1 to 147131) Waterston, R.H.
                                                                                                The sequence of Homo sapiens Unpublished (2001)
3 (bases 1 to 147131)
                                                                                                                                 2 (bases 1 to 147131)
VanBrunt, A. and Strowmatt, C.
                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; 1 (bases 1 to 147131); Sulston, J. E. and Waterston, R. Toward a complete human genome sequence Genome Res. 8 (11), 1097-1108 (1998) 99063792
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                                                                                                                                                             9847074
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                       (bases 1
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109 c 90
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/db_xref="taxon:9606"
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                       to 147131)
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The clone sequenced to the right is RP11-458A7, 200 bp overlap; the clone sequenced to the right is RP11-258B17. Actual start of this clone is at base position 1 of RP11-159N20; actual end is at base position 147131 of RP11-159N20.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The RPCI-11 human BAC library was made from the blood of one donor, as described by Osoegawa, K., Woon, P.Y., Zhao, B., Freng Tateno, M., Catanese, J.J. and de Jong, P.J. (1998) An improved approach for construction of bacterial artificial chromosome libraries. Genomics 51:1-8. The clone may be obtained either Research Genetics, Inc. (http://www.resgen.com) or Pieter de
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This sequence was finished as follows unless otherwise noted: all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          libraries. Genomics 51:1-8. The CLUBE Research Genetics, Inc. (http://www.re and coworkers at http://www.chori.org
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap between neighboring data submissions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Submitted (01-MAR-2002) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, On Mar 1, 2002 this sequence version replaced gi:13435273.
                                                                                                                                                                                                                                                                                                                                                                                                   clone
                                                                                                                                                                                                                                                                                                                                                                                                                          There
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mapping information for this clone was provided by Dr. John D. McPherson, Department of Genetics, Washington University, St. MO. For additional information about the map position of this
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Direct Submission
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOURCE INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sequence, see http://genome.wustl.edu/gsc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MAPPING INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: sapiens@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Center: Washington University Genome Sequencing Center Center code: WUGSC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Web site: http://genome.wustl.edu/gsc
                                                                                                                                                                                                                                                                                                                                                                                                 are polymorphic base differences RP11-159N2O and RP11-258B17.
                        /note="match to 991. .1176
                                                                                                            /rpt_family="L1"
984. .1176
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                                                                                                                                                                                                                    /clone="RP11-159N20"
/clone_lib="RPCI-11"
                                                                                                                                                                                                                                                                                      /organism="Homo sapiens"
/db_xref="taxon:9606"
/chromosome="2"
/note="match to EST BG187166 (NID:g13708853)"
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8373. .8683
                                                                                                                                                                                                                       /note="match to EST BG200048 (NID:g13721735)"
15767. .15789
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15184. .1532
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15184. .15321
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15183. .15321
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15183. .15321
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9731. .9895
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2299. .2596
                                                               note="match to EST BF347279 (NID:g11294874)"
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1525. .1552
                      'note="match
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                                                                                                                                                                                                                                                                                                                                                            RESULT 17
                                                                                                                                                                                                                                                                     ACCESSION
                                                                                                                                                                                                                                                                                                                                       AC124493/c
                                                                                                                                                                                                                               EYWORDS
                                                                                                                                                                                                ORGANISM
                      JOURNAL
                                                                                          JOURNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches 294;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16957 GETGETCGGCCCGGGAGCGCGAGCGGAGCAGACACCCGCAGCCGGGAGCCCGAGCG 16898
                                                                                                                                                                                                                                                                                                                                                                                                               16717
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     79 CGGGCGATGCAGGCTCCGCGAGCGGCACCTGCGGCTCCTCTAAGCTACGACCGTCGTCTC 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CTCCGCTGCTGTCGCCTCTGATGCGCTTGCCCTCTCCCGGGCCCCGGGACTCCGGGAG 16718
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CTCCGCTGCTGTCCCCTCTGATGCGCTTGCCCTCTCCCGGGCCCCCGGGACTCCGGGAG 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CGCGGCAGCAGCGGGCCCCCAGCAGCCTCGGCAGCCACAGCCGGCTGCAGGCCGGGGGAGC 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CGGGCGATGCAGCTCCGCGACCGGCACCTGCGGCTCCTCTAAGCTACGACCGTCGTCTC 16838
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GGTGCTCGGCCCGGGAGCGCGAGCGGGAGCAGAGACCCGCAGCCGGAGCCCGAGCC 78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CGCGGCAGCAGCGCGCGCCAGCAGCCTCGGCAGCCACAGCCGCTGCAGCCGGGGCAGC 16778
                                                                                                                                                                                                                                                               209885 bp DNA linear HTG 05-J. Mus musculus chromosome UNK clone RP23-462P13, WORKING DRAFT SEQUENCE, 5 unordered pieces. AC124493
                                                                                                   Eukaryota; Metazoa; Chordata; Cran; Mammalia; Eutheria; Rodentia; Sciu; 1 (bases 1 to 20)885)
McPherson,J.D. and Waterston,R.H.
The sequence of Mus musculus clone
Submitted (14-JUN-2002) Genome Sequencing Center, 4444 Forest Parkway, St. Louis, MO 63108, USA
                                      Direct Submission
                                                 2 (bases 1 to 209885)
McPherson, J.D. and Wat
                                                                                                                                                                                              Mus musculus
                                                                                                                                                                                                                        HTG; HTGS_PHASE1; HTGS_DRAFT; HTGS_FULLTOP
                                                                                                                                                                                                                                                  AC124493.2 GI:21699722
                                                                                                                                                                                                                   house mouse.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note="similar to Homo sapiens EST AA779875 (NID:g2839206)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note="match to EST H06756 (NID:g870288) y183b07.r1" 17963. .18209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note="match to EST BE386060 (NID:99331425)"
18319. .18352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (NID: g11767217)"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note="similar to Homo sapiens EST BE963800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note="match to EST BG200485 (NID:g13722172)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  note="match to EST R54748 (NID:g819270) yj75b04.r1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /rpt_family="(TCCC)n"
18637. .19184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note="match to EST BF940247 (NID:g12357567)"
18931. .19137
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15.5%; Score 294; DB 9; Lo
100.0%; Pred. No. 6.8e-164;
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                                                 and Waterston, R.H
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                                                                                                                                                     Craniata; Vertebrata; Euteleostomi; Sciurognathi; Muridae; Murinae; mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 147131;
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Db 103249 GTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGC 103203
                                                                                       Query Match
Best Local Similarity
Matches 47; Conserv
                      401 GTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGATGGAGCAAAGTGC 447
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Chemistry: Dye-primer ET; 0% of reads
Chemistry: Dye-terminator Big Dye; 100% of reads
Assembly program: Phrap; version 0.990319
Consensus quality: 208844 bases at least 040
Consensus quality: 208891 bases at least 030
Consensus quality: 209285 bases at least 020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Insert size: 206000; agarose-fp
Insert size: 212112; sum-of-contigs
Quality coverage: 0.00 in Q20 bases; agarose-fp
Quality coverage: 11.62 in Q20 bases; sum-of-contigs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Direct Submission
Submitted (05-JUL-2002) Genome Sequencing Center, 4444 Forest Park
Parkway, St. Louis, MO 63108, USA
On Jul 5, 2002 this sequence version replaced gi:21426614.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     * NOTE: This is a 'working draft' sequence. It currently consists of 5 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequencing vector: M13; 0%
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McPherson, J.D. and Waterston, R.H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Center project name: M_BA0462P13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: submissions@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Center code: WUGSC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Center: Washington University Genome Sequencing Center
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Web site:http://genome.wustl.edu/gsc/index.shtml
                                                                                                                                                                                                                       59789
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               as soon as it is available and the accession number will be preserved.
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11432
28618
28718
49455
49555
107385
107385
                                                                                                    Conservative
                                                                                                                                                                                                           /note="assembly_name:Contig12"
44784 c 46164 g 58745 t
                                                                                                                                                                                                                                                                  49555. .107384 //
/note="assembly_name:Contig11"
107485. .209885
                                                                                                                                                                                                                                                                                                                                                            /note="assembly_name:Contig9"
28718. .49454
                                                                                                                                                                                                                                                                                                                                                                                                               /note="assembly_name:Contig8"
11432. .28617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="Mus musculus"
/db_xref="taxon:10090"
                                                                                                                                                                                                                                                                                                                                 /note="assembly_name:Contig10"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /clone="RP23-462P13"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Chromosome="UNK"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11331: contig of 11331 bp in length
11431: gap of unknown length
28617: contig of 17186 bp in length
28717: gap of unknown length
49454: contig of 20737 bp in length
49554: gap of unknown length
107384: contig of 57830 bp in length
107484: gap of unknown length
209885: contig of 102401 bp in length
                                                                                                                     2.5%;
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                                                                                               0,
                                                                                                                   Score 47; DB 2; L4
Pred. No. 1.2e-15;
                                                                                               Mismatches
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                                                                                                                                          Length 209885;
                                                                                                                                                                                                                403 others
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                                                                                                Matches
                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                  CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                source
  394 CAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGA 431
                                                329 CAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGA 366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ist strand cDNA was primed with an oligo(dT) primer [ATGTGGCCTTTTTTTTTTTTTTTTTT]; double-stranded cDNA was synthesized using specific 5' and 3' primers and amplified by PCR. The PCR product was digested with SfiI and size selection was performed to exclude fragments <1.5kb.The SfiI-digested PCR product was cloned into distinct DraIII sites of pmE185.F13. XhoI sites just outside the DraIII sites can be used to isolate the cDNA insert. Library was constructed by Sugano et al. (University of Tokyo, Institute of Medical Science). Custom primer used for sequencing (5' end primer [CTGTGCGTANAACGTGG]).

A part of this sequence is reported in AU035640.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Submitted (13-APR-2000) Katsuyuki Hashimoto, National Institute of Infectious Diseases, Division of Genetic Resources; 23-1, Toyama 1-chome, Shinjuku-ku, Tokyo 162-8640, Japan (E-mail:khashi@nih.go.jp, URL:http://www.nih.go.jp/yoken/genebank/, Tel:81-3-5285-1111(ex.2120), Fax:81-3-5285-1181)
URL: http://www.nih.go.jp/yoken/genebank/
                                                                                                38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mus musculus
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Mus musculus (strain:C57BL) adult female cDNA to mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hashimoto, K., Osada, N., Kusuda, J. and Sugano, S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                made by oligo-capping method
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           clone_lib:Sugano mouse brain mncb clone:MNCb-0671.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Lab host:
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                                                                                                                                                                                                                       391
                                                                                                Conservative
                                                                                                                                                                                                             /protein_id="BaA95101.1"
/db_xref="G17670500"
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NCTYNVQDMCQKEVTEQSAGIMYRKSCASSAACLIASAGYQSFCSPGKLNSVCISCCN
TPLCNGPRPKKRGSSASAIRPGLLTTLLFFHLALCLAHC"
1 487 c 511 g 408 t
                                                                                                                                                                                                                                                                                                                                                                                                                                  /clone_lib="Sugano mouse brain mncb"
/dev_stage="adult"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /sex="
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /db_xref="taxon:10090"
/clone="MNCb-0671"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /organism="Mus musculus"
/strain="C57BL"
                                                                                                                                                                                                                                                                                                                                                                                    /note="unnamed protein product"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ocation/Qualifiers
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Rattus norvegicus clone CH230-71J19,
***, 52 unordered pieces.
                                                                                                                                                               Submitted (18-JUL-2002) Human Genome Sequencing Center, D of Molecular and Human Genetics, Baylor College of Medici Baylor Plaza, Houston, TX 77030, USA on Jul 2, 2002 this sequence version replaced g1:21240186
                                                                                                                                                                                                                                                                                                                                                                                                      Direct Submission
Submitted (29-MAY-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, Tx 77030, USA
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                                   Web site: http://www.hgsc.bcm.tmc.edu/
                                                                      Center code: BCM
Contact: hgsc-help@bcm.tmc
                                                                                               Center: Baylor College of Medicine
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                                                                                                                                   Genome Center
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9, *** SEQUENCING IN PROGRESS
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* NOTE: Estimated insert size may differ from sequence length

(see http://www.hgsc.bcm.tmc.edu/docs/Genbank_draft_data.html).

* NOTE: This is a 'working draft' sequence. It currently

* consists of 52 contigs. The true order of the pieces

* is not known and their order in this sequence record is

* arbitrary. Gaps between the contigs are represented as

* runs of N, but the exact sizes of the gaps are unknown.

* This record will be updated with the finished sequence

* as soon as it is available and the accession number will

* be preserved.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Center project name: GUSG
Center clone name: CH230-71J19
Center clone name: Plasmid;
Chemistry: Dye-terminator Big Dye: 100% of reads
Assembly program: Phrap; version 0.990329
Consensus quality: 82161 bases at least Q40
Consensus quality: 88014 bases at least Q30
Consensus quality: 92229 bases at least Q20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1165: contig of 1165 b
1265: gap of unknown 1
2646: contig of 1381 b
2746: gap of unknown 1
4305: contig of 1559 b
4405: gap of unknown 1
5847: contig of 1442 b
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/db_xref="taxon:10116"
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100972: contig of 3900 bp in length
101072: gap of unknown length
107076: contig of 6004 bp in length
107176: gap of unknown length
113525: contig of 6349 bp in length
113625: gap of unknown length
119430: contig of 5805 bp in length
119530: gap of unknown length
125703: contig of 6173 bp in length
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Fu,G., Wang,Y., Chen,Z. and Han,Z.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                       Direct Submission
Submitted (07-AUG-1998) Plant Biotechnology Division, Dept of Plant Submittee, University of Guelph, Crop Science Building, Guelph, Ont NIG 2W1, Canada
                                                                                                                                                                                                                                        Stout, J.M. and McKersie, B.D.
                                                                                                                                                                                                                                                                                           Gene expression in alfalfa
                                                                                                                                                                                                                                                                                                                 Stout, J.M. and McKersie, B.D.
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/db_xref="taxon:9606"
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/protein_id="AAF67473.1"
/db_xref="GI:7688665"
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/product="glycolate oxidase"
/protein_id="aaC32392.1"
                                                                                       /db_xref="taxon:3879"
/clone="NA-' ~~
                                /codon_start=2
                                                                   tissue_type="shoot apical meristem"
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Query Match
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                                                                                                                                                                                                                                                                                                         source
                                                                                                                                                                                                                                                                                                                                                                                                                   This clone was sequenced as part of a high-throughput process to sequence clones from Drosophila Gene Collection 1 (Rubin et al., Science 2000). The sequence has been subjected to integrity checks for sequence accuracy, presence of a polyA tail and contiguity within 100 kb in the genome. Thus we believe the sequence to reflect accurately this particular cDNA clone. However, there are artifacts associated with the generation of cDNA clones that may have not been detected in our initial analyses such as internal priming, priming from contaminating genomic DNA, retained introns due to reverse transcription of unspliced precursor RNAs, and reverse transcription shout this sequence, including its location and relationship to other sequences, please visit our Web site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Submitted (07-JUN-2002) Berkeley Drosophila Genome Project,
Lawrence Berkeley National Laboratory, One Cyclotron Road,
Berkeley, CA 94720, USA
Sequence submitted by:
Berkeley Drosophila Genome Project
Lawrence Berkeley National Laboratory
Berkeley, CA 94720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Stapleton, M., Brokstein, P., Hong, L., Agbayani, A., Carlson, J., Champe, M., Chavez, C., Dorsett, V., Dresnek, D., Farfan, D., Frise, E., George, R., Gonzalez, M., Guarin, H., Kronmiller, B., Li, P., Liao, G., Miranda, A., Mungall, C.J., Nunoo, J., Pacleb, J., Paragas, V., Park, S., Patel, S., Phouanenavong, S., Wan, K., Yu, C., Lewis, S.E., Rubin, G.M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Drosophila melanogaster
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.
1 (bases 1 to 1114)
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                                                                                                                                                                                                                                                                                                                                   and relationship to other sequences, please vis: (http://fruitfly.berkeley.edu) or send email to cdna@fruitfly.berkeley.edu.
Location/Qualifiers
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                                                                                                                                                      /gene="CG13601"
/codon_start=1
                            /note="Longest ORF"
                                                            /gene="CG13601"
                                                                                                                      /db_xref="FLYBASE:FBgn0039126"
                                                                                                                                                                                                                /db_xref="taxon:7227
                                                                                                                                                                                                                                                /strain="y; cn bw sp"
                                                                                                                                                                                                                                                                             /organism="Drosophila melanogaster"
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RESULT 24
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      Watanabe,K., Kumagai,A., Itakura,S., Yamazaki,M., Tashiro,H., Ota,T., Suzuki,Y., Obayashi,M., Nishi,T., Shibahara,T., Tanal Nakamura,Y., Isogai,T. and Sugano,S.
NEDO human cDNA sequencing project
                                                                                                                                                                                                                                                                                  AK026521 1614 bp mRNA linear PRI 29-SEP-2
HOMO saplens cDNA: FLJ22868 fis, clone KAT02340, highly similar
HUMTFSLIC Homo saplens transcription factor SL1 mRNA.
Unpublished
                                                                                                                                                                                               oligo capping; fis (full insert sequence).
Homo sapiens signet-ring cell carcinoma cell_line:KATO III cDNA to
                                                                                                                   Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
                                                                                                                                              Eukaryota;
                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                  AK026521.1 GI:10439398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  assessment, prevention, and therapy of human cancers Patent: WO 0179556-A 825 25-OCT-2001; Millennium Predictive Medicine, Inc. (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel genes, compositions and methods for the identification,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Lillie, J., Brown, J.L., Bolt, A. and van Huffel, C
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                                                                                                                                                                                    clone_lib:KAT clone:KAT02340.
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/db_xref="taxon:9606"
312 c 321 g 213
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KEPIQEYVPFDBDTPDQSASARNPKKFDSLXDPGGMAFRALHFLDTQIFVDGRNRKA
KEALQHLDEVAVQLEQSLGEAATVAVASSSLPTKAADL"

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Web site: http://www.hgsc.bcm.tmc.edu/cdna/
Contact: amg@bcm.tmc.edu
Gunaratne, P.H., Garcia, A.M., Lu, X., Hulyk, S.W., Hale, S.M.,
YOON, V.S., KOWIS, C.R., Lawrence, S., Martin, R.G., Muzny, D.M.
Richards, S., Gibbs, R.A.
                                                                                                                                                                               CDNA Library Preparation: Life Technologies, Inc. CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
                                                                                                                                                                                                                                                                                                                                                Submitted (01-MAY-2002) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                                                 Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC/DCTD/DTP
                                                                                                                                                                                                                                                                                                     NIH-MGC Project URL: http://mgc.nci.nih.gov
                                                                                                                        Center code: BCM-HGSC
                                                                                                                                            Sequencing Center
                                                                                                                                                                DNA Sequencing by: Baylor College of Medicine Human Genome
                                                                                                                                                                                                                                                                                         Contact: MGC help desk
                                                                                                                                                                                                                                                                                                                                                                                                                                   Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Strausberg, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 2625)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BC028978 2625 bp Homo sapiens, clone IMAGE:3919084,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NEDO human cDNA sequencing project supported by Ministry of International Trade and Industry of Japan; cDNA full insert sequencing: Research Association for Biotechnology; cDNA library construction, 5'-& 3'-end one pass sequencing: Departent of Virology and Human Genome Center, Institute of Medical Science,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Submitted (29-AUG-2000) Sumio Sugano, Institute of Medical Science, University of Tokyo, Laboratory of Genome Structure Analysis, Human Genome Center; Shirokane-dai, 4-6-1, Minato-ku, Tokyo 108-8639, Japan (E-mail:cdnal@ims.u-tokyo.ac.jp, Tel:81-3-5449-5286,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BC028978.1 GI:20810049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 (bases 1 to 1614)
Sugano,S., Suzuki,Y., Ota,T., Obayashi,M., Nishi,T., Isogai,T.,
Shibahara,T., Tanaka,T. and Nakamura,Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                University of Tokyo (partly supported by Science and Technology
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Agency).
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Conservative 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note-"highly similar to HUMTFSLIC Homo sapiens transcription factor SLI mRNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /cell_type="signet-ring cell carcinoma"
/clone_llb="KAT"
/note="cloning vector pME18SFL3"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /clone="KAT02340"
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; Pred. No. 0.00089;
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Best Local
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gene
                                                                                                                                      source
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Drosophila melanogaster LD11626 full insert cDNA. AY094780
                                                                                                                                                                                                                                                                                                This clone was sequenced as part of a high-throughput process to sequence clones from Drosophila Gene Collection I (Rubin et al., science 2000). The sequence has been subjected to integrity checks for sequence accuracy, presence of a polyA tail and contiguity within 100 kb in the genome. Thus we believe the sequence to reflect accurately this particular cDNA clone. However, there are artifacts associated with the generation of cDNA clones that may have not been detected in our initial analyses such as internal priming, priming from contaminating genomic DNA, retained introns due to reverse transcription of unspliced precursor RNAS, and reverse transcriptase errors that result in single base changes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Stapleton, M., Brokstein, P., Hong, L., Agbayani, A., Carlson, J., Champe, M., Chavez, C., Dorsett, V., Dresnek, D., Farfan, D., Frise, E., George, R., Gonzalez, M., Guarin, H., Krommiller, B., Li, P., Llao, G., Miranda, A., Mungall, C.J., Nunco, J., Pacleb, J., Paragas, V., Park, S., Patel, S., Phouanenavong, S., Wan, K., Yu, C., Lewis, S.E., Rubin, G.M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Drosophila melanogaster
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.
1 (bases 1 to 3155)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Submitted (03-AFR-2002) Berkeley Drosophila Genome Project, Lawrence Berkeley National Laboratory, One Cyclotron Road, Berkeley, CA 94720, USA
Sequence submitted by:
Berkeley Drosophila Genome Project
Lawrence Berkeley National Laboratory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AY094780.1 GI:20151546
FLI_CDNA.
                                                                                                                                                                                                                 For further information about this sequence, including its location and relationship to other sequences, please visit our Web site (http://fruitfly.berkeley.edu) or send email to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             and Celniker, S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Drosophila melanogaster.
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                                                                                                                                                                                             cdna@fruitfly.berkeley.edu
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/clone="IMAGE:3919084"
/tissue_type="Skin, melanotic melanoma."
/clone_lib="NIH_MGC_72"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="Homo sapiens"
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538 c 502 g 725 t
                                                 /organism="Drosophila melanogaster"
/strain="y; cn bw sp"
/db_xref="taxon:7227"
                       /map="43D3-43D3"
                                                                                                                                                             Location/Qualifiers
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100.0%; Pred. No. 0.0009
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REFERENCE
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                 AL Submitted (18 JUL-2002) Wellcome Trust Sanger Institute, Hinxton, Cambridgeshire, CB10 1SA, UK. E-mail enquiries: humqueryganger.ac.uk Clone requests: clonerequest@sanger.ac.uk On Feb 21, 2002 this sequence version replaced gi:17529535. During sequence assembly data is compared from overlapping clones. Where differences are found these are annotated as variations together with a note of the overlapping clone name. Note that the variation annotation may not be found in the sequence submission corresponding to the overlapping clone, as we submit sequences with only a small overlap as described above.

This sequence was finished as follows unless otherwise noted: all regions were either double-stranded or sequenced with an alternate chemistry or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by at least one plasmid subclone or more than one M13 subclone; and the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mouse DNA sequence from clone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kimberley, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mus musculus.
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assembly was confirmed by restriction digest. The following
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SEKKNAPEINANYLPASPLTEKNAKVETPKSEVEFILVNSFICENKVSPIKIVGGRSVYRL
SEKKNAPEINANYLPASPLTEKNAKVETPKSRASAARRNLINISLIRGADTTADSDCLN
YSTVQQTPDPKTPSNDMKIKLRLSERRRSVPRLASMDVDPLSLEEAVQEPNAQGRKRLG
YANGDITHTPTKKSKEPLESSAARTEQTPSTRKSILKSATSRLAEGTPRSIHLSNIV
EQRVFEDDEIISTPKRSKEPLESAARTEQTPSTRKSILKSATSRLAEGTPRSIHLSNIV
EQRVFEDDEIISTPKRGRSKKTVQDNDEDYSPKKSVQKTPTRPRRSSTTTKTATTPSK
GITTATFRTPSOKMKKIRAGELSPSMQQTTDLPAKDSSKSELQLAREQLHVSVVPK
GITTATERTEGENITVAFLEGKIDDOCGGCMYVSGVPGTGKTATVUTGVIRTLQRRAKQNEL
PAFEYLEINGMRLTEPRQAYVQIYKQLTGKTVSMEQAHALLEKRFTTPAFRVTTVLL
VDELDILCNRRQDVYYNLLDWPTKSAAKLVVVTIANTMULDERBRLMGKVTSRLGLTRL
TFQPYSHKQLQEIVTARLGGSETFKGEAVQLIVARKVAAVSGDARALDICRRAFEIAD
TAAVVCVTMLHVQQALAEMIASAKVQAIRNCSRMEQIFLQAIAAEVTRTGVEETTFMG
VYQQVETIAAFMGVTFPPPGRAAKVQAIRNCSRMEQIFLQAIAAEVTRTGVEETTFMG
VYQQVETIAAFMGVTFPPPGRAAKVGAIRNCSRMEQIFLQAIAAEVTRTGVEETTFMG
VYQQVETIAAFMGVTFPPPGRAALRLCSKLGAERLIISEHSRNDLFQKILLNVSADDIH
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/traygdfilysnadaaepdyvggcdvarilhygelreltdrepcraivgwyswpka
phnkyddbgkyaldeslevjieberpydbyalgaiyrkgivlegtgystsaberilkrhan
klkstacpmfvsryrfvkvkrsyrlipleihleqpednarptrsskssltahreskrs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   YALRVEEMVN"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /product="LD11626p"
/protein_id="AAM11133.1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /codon_start=
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GI:18855238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    864 c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 27; pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 821 g
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.00093
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SOURCE
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            Muzny, D.M., Adams, C., Adio-Oduola, B., Ali-osman, F.R., Allen, C., Alsbrooks, S.L., Amaratunge, H.C., Are, J.R., Ayele, M., Banks, T., Barbaria, J., Benton, J., Binage, K., Blankenburg, K., Bonnin, D., Bouck, J., Bowie, S., Brieva, M., Brown, E., Brown, M., Bryant, N.P., Buck, J., Bowie, S., Brieva, M., Brown, E., Brown, M., Bryant, N.P., Buhay, C., Burch, P., Burkett, C., Burrell, K.L., Byrd, N.C., Carron, T.F., Carter, M., Cavazos, S.R., Chacko, J., Chavez, D., Chen, G., Chen, Z., Chowdhry, I., Christopoulos, C., Chen, G., Chen, Z., Chowdhry, I., Dathorne, S.R., David, R., Delaney, K.R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H.H., Douthwaite, K.J., Draper, H., Dugan-Rocha, S., Durbin, K.J., Earnhart, C., Edgar, D., Edwards, C.C., Elhaj, C., Escotto, M., Falls, T., Ferraguto, D., Flaggy, N., Ford, J., Foster, P., Frantz, P., Gabisi, A., Gao, J., Garcia, A., Garner, T., Garza, N., Gill, R., Gorrell, J.H., Guevara, W., Gunaratne, P., Hale, S., Hamilton, K., Hartim, Havlak, P., Hale, S., Hamilton, K., Hartim, Havlak, P., Hale, S., Hamilton, K., Hartim, J., Hulyk, S., Hume, J., Jackson, L.E., Jacobson, B., Jia, Y., Johnson, R., Jolivet, S., Joudah, S., Karlsson, E., Kelly, S., Khan, U., King, L., Korvah, J., Kovar, C., Kratovic, J., Kureshi, A., Landry, N., Leal, B., Lewis, L.C., Lewis, L., Li, J., Liu, W., Loulseged, H., Massey, E., Machard, P., Mascol, M., Martin, R., Martindale, A., Martinez, E., Mashiner, Z., Mitchell, T., Mohabbat, K., Morgan, M., Mo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Norway rat.
Rattus norvegicus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AC112072.3 GI:21744373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AC112072 92874 bp DNA linear HTG 17-JUL-20
Rattus norvegicus clone CH230-286021, *** SEQUENCING IN PROGRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     abbreviations are used to associate primary accession numbers given in the feature table with their source databases: Em:, EMBL; Sw:, SWISSPROT; Tr:, TREMBL; Mp:, WORMPEP; Information on the WORMPEP database can be found at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rattus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DN-353G8 is from a DIL (Diabetes and Inflammation Laboratory) NOD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Web site: http://www.sanger.ac.uk
Contact: humquery@sanger.ac.uk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Center code: SC
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Miner, Z., Mitchell, T., Mohabbat, K., Morgan, M.,
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/db_xref="taxon:10090"
/chromosome="1"
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8876 c 9129 g 16194 t
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ACCESSION

KEYWORDS

RESULT 28

AC112072

ORIGIN

FEATURES

REFERENCE

AUTHORS

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TITLE
JOURNAL
REFERENCE
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JOURNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AUTHORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Moser, M., Neal, D., Newtson, J., Newtson, N., Nguyen, A., Nguyen, N., Nickerson, E., Nwokenkwo, S., Oguh, M., Okwuonu, G., Oragunye, N., Oviedo, R., Pace, A., Payton, B., Peery, J., Perez, L., Peters, L., Pickens, R., Primus, E., Pu, L. L., Quiles, M., Ren, Y., Rives, M., Rojas, A., Rojubokan, I., Rolfe, M., Rulz, S., Savery, G., Scherer, S., Scott, G., Shen, H., Shooshtari, N., Sisson, I., Sodergren, E., Sonaike, T., Sparks, A., Stanley, H., Stone, H., Sutton, A., Svatek, A., Tabor, P., Tamerisa, A., Tamerisa, K., Tang, H., Tansey, J., Taylor, C., Taylor, T., Telfrod, B., Thomas, N., Thomas, S., Usmani, K., Vasquez, L., Vera, V., Villalon, D., Vinson, R., Wang, S., Walliamson, A., Waeren, R., Washington, C., Watlington, S., Wulliams, G., Williamson, A., Willezyk, R., Wooden, S., Worley, K., Wu, C., Wu, Y., Wu, Y. F., Zhou, J., Zorrilla, S., Nelson, D., Pireof, Subviscion, and Gibbs, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                              * NOTE: Estimated insert size may differ from sequence length

* (see http://www.hgsc.bcm.tmc.edu/docs/Genbank_draft_data.html).

* NOTE: This is a 'working draft' sequence. It currently

* consists of 50 contigs. The true order of the pieces

* is not known and their order in this sequence record is

* arbitrary. Gaps between the contigs are represented as

* runs of N, but the exact sizes of the gaps are unknown.

* This record will be updated with the finished sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Submitted (17-JUL-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
On Jul 13, 2002 this sequence version replaced g1:20303189.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Direct Submission
Submitted (19-FEB-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Worley, K.C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Worley, K.C.
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                                                                                                                                                                                                                                                                                                                                                                                                               as soon as it is available and the accession number will be preserved.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequencing vector: Plasmid;
Chemistry: Dye-terminator Big Dye: 100% of reads
Assembly program: Phrap; version 0.990329
Consensus quality: 32512 bases at least Q40
Consensus quality: 34515 bases at least Q20
Consensus quality: 35930 bases at least Q20
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Center clone name: CH230-286021
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27; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Submitted (16-AUG-2002) Wellcome Trust Sanger Institute, Hinxton, Cambridgeshire, CB10 ISA, UK. E-mail enquiries: Chinerequester. Chinerequester. Clone requests: clonerequestesanger.ac.uk on Aug 21, 2002 this sequence version replaced g1:21694507.
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                                           NOTE: This is a 'working draft' sequence. It currently consists of 2 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.
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This sequence was finished as follows unless otherwise noted: all regions were either double-stranded or sequenced with an alternate chemistry or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by at least one plasmid subclone or more than one Mi3 subclone; and the assembly was confirmed by restriction digest. The following abbreviations are used to associate primary accession numbers given in the feature table with their source databases: Em:, EMBL; We:, WORMPEP; Information on the WORMPEP database can be found at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Submitted (11-APR-2002) Wellcome Trust Sanger Institute, Hinxton, Cambridgeshire, CB10 15A, UK. E-mail enquiries: humquery@sanger.ac.uk Clone requests: clonerequest@sanger.ac.uk On Apr 12, 2002 this sequence version replaced gi:20135756. During sequence assembly data is compared from overlapping clones. Where differences are found these are annotated as variations together with a note of the overlapping clone name. Note that the variation annotation may not be found in the sequence submission corresponding to the overlapping clone, as we submit sequences with
                                                                                                                                                                                                                                         rrom the RPCI-23 Mouse PAC Library constructed by the group of Pietter de Jong.
For further details see http://www.chori.org/bacpac/home.htm
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                                                                                                                                                                                                                                                                                        http://www.sanger.ac.uk/Projects/C_elegans/wormpep RP23-15E24 is from the RPCI-23 Mouse PAC Library
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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24119. .127524
/note="assembly_fragment:00777.0"
/ 23572 c 23357 g 42574 t 100
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/chromosome="X"
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                                                                                                                                             /organism="Mus musculus"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Submitted (05-JUL-2002) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA All repeats were identified using RepeatMasker: Smit, A.F.A. & Green, P. (1996-1997) http://ftp.genome.washington.edu/RM/RepeatMasker.html
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AC126321.1 GI:21699164
HTG; HTGS_PHASE2; HTGS_FULLTOP; HTGS_ACTIVEFIN.
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Polypterus bichir clone -22F22,
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                                                                                                                                                                                                                NOTE: This is a 'working draft' sequence. It currently consists of I contigs. daps between the contigs are represented as runs of N. The order of the places is believed to be correct as given, however the sizes of the gaps between them are based on estimates that have
                                                                                                                       provided by the submittor.
This sequence will be replaced
by the finished sequence as soon as it is available and
                                                           the accession number will be preserved.
1 151602: contig of 151602 bp
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                                                                                                                                                                                                                                                                                    Submitted (23-APR-2002) Genome Therapeutics Corporation, 100 Beaver Street, Waltham, MA 02453, USA on Mar 28, 2002 this sequence version replaced gi:18266621.
                                                                                                                                                                                                                                                                                                                                                              Submitted (28-MAR-2002) Genome Street, Waltham, MA 02453, USA 5 (bases 1 to 170255)
                                                                                                                                                                                                                                                                                                                                                                                                                                 Submitted (23-JAN-2002) Ge Street, Waltham, MA 02453, 4 (bases 1 to 170255)
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Sequencing vector: M13; 100%
Sequencing vector: plasmid; 00%
Chemistry: Dye-primer ET; 100% of reads
Chemistry: Dye-terminator Big Dye; 0% of reads
Assembly program: phrap; version 0.990319
Consensus quality: 167601 bases at least 040
Consensus quality: 170480 bases at least 030
Consensus quality: 1710480 bases at least 020
Insert size: 179000; agarose-fp
Insert size: 179000; agarose-fp
Quality coverage: 4.14 in 020 bases; sum-of-contigs
Quality coverage: 4.29 in 020 bases; sum-of-contigs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Web site:http://genome.wustl.edu/gsc/index.shtml
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On Aug 24, 2000 this sequence version replaced gi:9665207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Submitted (22-JUL-2000) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St.
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AC074245
AC074245.3 GI:9887809
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1 (bases 1 to 179364)
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                                                                                                                                                                                                                                                                                                                                                                          as soon as it is available and the accession number be preserved.
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135945. .153641
                                            /note="assembly_name:Contig8"
177488. .179364
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153742: .175739
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102102. .119488
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/db_xref="taxon:9606"
/chromosome="2"
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         /note="assembly_name:Contig9"
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18973. .25292
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1: gap of unknown length
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8: contig of 1877 bp in length
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nes 27; Conserv
                                                                                                   Submitted (10-JAN-2002) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, USA On Jan 3, 2002 this sequence version replaced gi:14209801.
                                                                                                                                                                                                                                      Direct Submission
Submitted (03-JAN-2002) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St.
                                                                                                                                                                                                                                                                                                                                           Direct Submission
Submitted (30-JUL-2000) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St.
                                                                                                                                                                         Direct Submission
                                                                                                                                                                                           MO 63108, USA
5 (bases 1 to 195782)
Waterston,R.
                                                                                                                                                                                                                                                                                          MO 63108, USA
4 (bases 1 to 195782)
Waterston, R.H.
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Sulston, J.E. and Waterston, R.
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Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Center project name: H_NH0510K08
          Web site: http://genome.wustl.edu/gsc
Contact: saplens@watson.wustl.edu
Summary Statistics
                                                                Center: Washington University Genome Sequencing Center Center code: WUGSC
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NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap between neighboring data submissions.

This sequence was finished as follows unless otherwise noted: all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >-30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by restriction digest.

MAPPING INFORMATION:
The sequence of this clone was established as part of a mapping and sequencing collaboration between the NHGRI Chromosome 7 Mapping

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FEATURES
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The RPCI-11 human BAC library was made from the blood of one male donor, as described by Osoegawa, K., Woon, P.Y., Zhao, B., Frengen, E., Tateno, M., Catanese, J.J. and de Jong, P.J. (1998) An improved approach for construction of bacterial artificial chromosome libraries. Genomics 51:1-8. The clone may be obtained either from Research Genetics, Inc. (http://www.resgen.com) or Pieter de Jong and coworkers at the Roswell Park Cancer Institute (http://bacpac.med.buffalo.edu)
VECTOR: pBACe3.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Project (Eric D. Green, Director), John D. McPherson in the Department of Genetics (Washington University), and the Washington University Genet. Genetics (For additional information about the map position of this sequence, see http://www.nhgri.nih.gov/DIR/GTB/CHR7, send mailto:egreen@nhgri.nih.gov, or see http://genome.wustl.edu/gsc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Data from AC093734 was used to finish this clone, AC074389. is single M13 clone coverage from 64639 to 64773.

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The clone sequenced to the left is RP11-16P10, 2000 bp overlap. Actual start of this clone is at base position 112086 of RP11-16P10; actual end is at base position 195782 of RP11-510K8.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOURCE INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /rpt_family="MIR" 558. .736
                                                                                                                                                                                                                                                                                                           /rpt_family="L2"
3175. .3277
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism="Homo sapiens"
/db_xref="taxon:9606"
/chromosome="7"
                                                                                                                                                                                                                                                                                                                                                           rpt_family="MIR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 rpt_family-"Alu"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /clone="RP11-510K8"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              rpt_family="CT-rich"
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                                                                                                                                                                                        _family="A-rich"
                                                                                                                                                                                                                                                         _family="L2"
                                                                                                                                                                                                                                                                                                                                                                                                                          _family="(CA)n"
                                                 _family="Alu"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             _family="C-rich"
                                                                                                                    _family="L2"
                                                                                                                                                                                                                         _family="Alu"
                                                                                                                                                        _family="L2"
                                                                                                                                                                                                                                                                                             _family="MaLR"
                                                                                                                                                                                                                                                                                                                                                                                          _family="(GGCTG)n"
                                                                                   _family="MIR"
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                                                                   Conservative
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(NID:g10797985)"
6652. 6914
                                                                                                                                                                                                                                                                                                     /note="similar to H
8962. 9144
/note="similar to H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8874. .9366

/note="similar to H

(NID:g12878612)"

8877. .9753
                                                                                                                                      8982. .9519
/note="similar txv20d05.x1"
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8535. .88
                                                                                                                                                                                                                                                                                                                                                                                                                                                        (NID:g14676109)"
8877. .9349
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (NID:g12868947)"
8877, 9622
                                                                                                                                                                                                                    (NID:g17177822)"
8976. .9411
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /rpt_famil
7091. .740
                                                                                                                                                                                                                                                                           (NID:g15943215)
8973. .9366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (NID: g15998167)
8877. .9366
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(NID:g17177822)"
6506. .6560
                                                                                                                                                                                                                                                                                                                                                              (NID:g14340025)"
3939. 0100
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7503. .7784
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7375. .7426
                                                                                                                                                                                      zx08b07
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                                                                                                                                                                                                        note="similar to Homo sapiens EST AA449551 (NID:g2163301)
                                                                                                                                                                                                                                                                                                                                                                                                                                              note="similar to
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                                                                                   Score 27;
Pred. No.
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                                                                   Mismatches
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                                                                                    DB 9;
0.001
                                                                                    .0012
                                                                                                    Length 195782;
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Lamazares, R., Landers, T., Lehoczky, J., Levine, R., Liu, G.,
MacLean, C., Macdonald, P., Major, J., Marquis, N., Matthews, C.,
McCarthy, M., McEwan, P., McKernan, K., McPheeters, R., Meldrim, J.,
Meneus, L., Mihova, T., Mienga, V., Murphy, T., Naylor, J., Nguyen, C.,
Norbu, C., Norman, C.H., O'Connot, T., O'Donnell, P., O'Neil, D.,
Oliver, J., Peterson, K., Phunkhang, P., Pierre, N., Pollara, V.,
Raymond, C., Retta, R., Rieback, M., Riley, R., Rise, C., Rogov, P.,
Raymond, C., Retta, R., Rieback, M., Riley, R., Rise, C., Rogov, P.,
Raymond, C., Retta, R., Rieback, M., Siley, R., Schauer, S., Schupback, R.,
Seaman, S., Severy, P., Spencer, B., Stange-Thomann, N., Stojanovic, N.,
Strauss, N., Subramanian, A., Talamas, J., Tesfaye, S., Theodore, J.,
Viel, R., Vo, A., Wilson, B., Wu, X., Wyman, D., Ye, W. J., Young, G.,
Viel, R., Vo, A., Wilson, B., Wu, X., Wyman, D., Ye, W. J., Young, G.,
Viel, R., Vo, A., Wilson, B., Wu, X., Wyman, D., Ye, W. J., Young, G.,
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Mus musculus clone RP23-412G3, 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Submitted (16-NOV-2001) whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA All repeats were identified using RepeatMasker: Smit, A.F.A. & Green, P. (1996-1997) http://ftp.genome.washington.edu/RM/RepeatMasker.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Cooke,P., DeArellano,K., Dewar,K., Diaz,J.S., Dodge,S., Fa:
Ferreira,P., FitzHugh,W., Gage,D., Galagan,J., Gardyna,S.,
Ginde,S., Gord,S., Goyette,M., Graham,L., Grand-Pierre,N.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Birren,B., Linton,L., Nusbaum,C., Lander,E., Ali,A., Allen,N., Anderson,S., Barna,N., Bastien,V., Boyuslavkiy,L., Boukhgalter,B., Brown,A., Camarata,J., Campopiano,A., Chang,J., Chazaro,B., Choepel,Y., Colangelo,M., Collins,S., Collymore,A., Cook,A.,
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Birren,B., Linton,L., Nusbaum,C. and Lander,E.
                                              * NOTE: This is a 'working draft' sequence. It currently consists of 19 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AC099615.1
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record will be updated with
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142296 142395: gap of 100 bp
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142396 166670: contig of 24275 bp in length
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26854. .35082
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                     Birren,B., Linton,L., Nusbaum,C., Lander,E., Ali,A., Allen,N., Anderson,S., Barna,N., Bastien,V., Bloom,T., Boguslavkiy,L., Boukhgalter,B., Brown,A., Camarata,J., Campopiano,A., Chang,J., Chazaro,B., Choepel,Y., Colangelo,M., Collins,S., Collymore,A.,
                                                                                                                                               Submitted (10-FEB-2002) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA
                                                                                                                                                                                                               Direct Submission
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197365. .209572
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142396. .166670
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Brown, A., Camua.
Brown, A., Colangelo, M.,
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* are represented as runs of N. The order of the pieces
* is believed to be correct as given, however the sizes
* of the gaps between them are based on estimates that have
* provided by the submittor.
* This sequence will be replaced
* by the finished sequence as soon as it is available and
* the accession number will be preserved.

* 10 718. GB; contig of 618 bp in length

* 610 718. GB; contig of 618 bp in length
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* consists of 26 contigs. Gaps between the c
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Insert size: 210190; sum-of-contigs
Quality coverage: 14.3 in Q20 bases;
Quality coverage: 14.3 in Q20 bases;
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Center clone name: 67_H_24
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3067:
8 3167:
5164: gap
6283:
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5064:
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25: gap of 100 bp
2214: contig of 639 bp in length
4: gap of 100 bp
2843: contig of 629 bp in length
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100 bp
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93781 113564: contig of 19784 bp in length
113565 113664: gap of 100 bp
113665 134201: contig of 20537 bp in length
134202 134301: gap of 100 bp
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8427 9838: contig of 1412 bp in length

9839 9938: gap of 100 bp

9939 11695: contig of 1757 bp in length

11696 11795: gap of 100 bp

11796 15821: contig of 4026 bp in length
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/db_xref-"taxon:1000"
/clone-"RP23:67H24"
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719. .1375
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113564: contig of 19784 bp in length
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59604: contig of 1213 bp in length
704: gap of 100 bp
74258: contig of 14554 bp in length
358: gap of 100 bp
93680: contig of 19322 bp in length
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RESULT 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Beckstrom-Sternberg, S.M., Benjamin, B., Blakesley, R.W.,
Bouffard, G.G., Dietrich, N.L., Eagle, W.O., Gupta, J., Ho, S.-L.,
Huang, M.C., Idol, J., Lee-Lin, S.-Q., Maduro, Q.L., Maduro, V.B.,
Mastrian, S.D., McCloskey, J.C., Morse, E., Ojodu, M.A., Pearson, R.,
Stantripop, S., Summers, T.J., Thomas, J.W., Thomas, P.J.,
Tiongson, E.E., Touchman, J.W., Tran, J.T., Vogt, J.L., Walker, M.A.,
Wetherby, K.D. and Green, E.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AC069297 214411 bp DNA linear HTG 25-MAY-2000 Mus musculus chromosome 12 clone RP23-2N7 strain C57BL6/J, WORKING
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                      * NOTE: This is a 'working draft' sequence. It currently consists of 19 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Submitted (25-MAY-2000) NIH Intramural Sequencing Grovemont Circle, Gaithersburg, MD 20877, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NISC Mouse Sequencing Initiative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HTG; HTGS_PHASE1; HTGS_DRAFT
                                                                                                                                                Sequencing vector: plasmid; n/a; 100% of reads Chemistry: Dye-terminator Big Dye; 100% of reads Assembly program: Phrap; version 0.990319
Consensus quality: 204922 bases at least Q40
Consensus quality: 207590 bases at least Q30
Consensus quality: 209017 bases at least Q20
Insert size: 205000; agarose-fp
Insert size: 248000; pulse-field-gel
Insert size: 248000; pulse-field-gel
Insert size: 248000; pulse-field-gel
Quality coverage: 5.40x in Q20 bases; sum-of-contigs
Quality coverage: 5.20x in Q20 bases; sum-of-contigs
arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (bases 1 to 214411)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Web site: http://www.nisc.nih.gov
Contact: nisc_mouse@nhgri.nih.gov
------ Project Information
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Center clone name: 002N07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Center project name: us
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59705. .74258
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74359. .93680
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35861. .47391
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                        /note="assembly_fragment"
68348. .78809
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78910. .89212
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/chromosome="12"
                                                                                                                                                                                                                                                                                                                                                                           /organism="Mus musculus"
/strain="C57BL6/J"
                                                           note-"assembly_fragment"
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124151: contig of 13632 bp in le
124251: gap of unknown length
1411079: contig of 16828 bp in le
141179: gap of unknown length
160980: contig of 19801 bp in le
161080: gap of unknown length
185614: contig of 24534 bp in le
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185714: gap of unknown length
214411: contig of 28697 bp in le
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http://www.sanger.ac.uk/HGP/Chr10

This sequence is the entire insert of clone RP11-446H13 The true left end of clone RP11-69H2 is at 128287 in this sequence. The true right end of clone RP11-4912 is at 75932 in this sequence. This sequence has been finished according to sequence map criteria as follows. An attempt is made to resolve all sequencing problems, such as compressions and repeats, but not necessarily within known annotated repeat sequence elements. Where the sequence is ambiguous, there is an annotation using the 'unsure' feature key. RP11-446H13 is from the library RPCI-11.2 constructed by the group
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 During sequence assembly data is compared from overlapping clones, where differences are found these are annotated as variations together with a note of the overlapping clone name. Note that the variation annotation may not be found in the sequence submission corresponding to the overlapping clone, as we submit sequences with only a small overlap as described above.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AL133395
217929 bp DNA linear PRI 22-DEC-20 Human DNA sequence from clone RPII-446H13 on chromosome 10.
Contains the 3' end of the gene for a novel protein similar to KIAA1059 (ortholog of mouse VPSIO domain receptor protein SORCS), an RPL23A (605 ribosmal protein 23A) pseudogene, ESTs, STSS and
                                                                                                                                                                                                                                                                                                                             http://www.sanger.ac.uk/Projects/C_elegans/wormpep This sequence was generated from part of bacterial clone contigs of human chromosome 10, constructed by the Sanger Centre Chromosome 10
                                                                                                                                                                                                                                                                                                                                                                                                                   The following abbreviations are used to associate primary accession numbers given in the feature table with their source databases: Em:, EMBL; Sw:, SWISSPROT; Tr:, TREMBL; Wp:, WORMPEP; Information on the WORMPEP database can be found at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (11-DEC-2000) Sanger Centre, Hinxton, Cambridgeshire, CB10 1SA, UK. E-mail enquiries: humquery@sanger.ac.uk Clone requests: clonerequest@sanger.ac.uk on Sep 9, 2000 this sequence version replaced gi:9943953.
                                                                                                                                                                                                                                                                                                        Mapping Group. Further information can be found at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo 1 (bases 1 to 217929)
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HTG; KIAA1059; RPL23A; SORCS; VPS10 domain.
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185715. .214411
/note="assembly_fragment"
46639 c 46482 g 59706 t
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89313. .99267
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99368. .110419
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complement(4214. .4593)
                                                                                                                                                                                                                                                                                                  /note="MIR repeat: matches 47. .113 of consensus" 1793. .18227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /organism="Homo sapiens"
/db_xref="taxon:9606"
/chromosome="10"
                                                                                                                                                                                                complement(19592
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                                                                                                                                                                                                                                                                 /note="AluJb repeat: matches 5.
18228. .18321
                                                                                                                                                                                                                                                                                                                               note="Alus repeat: matches 15.
17855. .17931
                                                                                                                                                                                                                                                                                                                                                               note="Alusx repeat: matches 5.
17322. .17384
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/note="LTR22 repeat: matches 5.
13681. .13741
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|3042. .13203
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9137. .9438
100te="Alux repeat: matches 1. .302 of consensus"
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Note="TIPB1 repeat: matches 6059. .6151 of consensus"
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                                                 note="match: GSS:
                                                                                note="11 copies 4
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                                                                                                                                               note-"FLAM_C repeat: matches 1.
                                                                                                                                                                              note="match: GSS: Em:AQ359125"
                                                                                                                                                                                                              note-"Alusx repeat: matches 5.
                                                                                                                                                                                                                                                                                                                                                                                                           note="MIR repeat: matches 34. .93 of consensus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               'note="MIR repeat: matches 16.
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                  ote-"match:
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27830. 27998
/note="LIMB2 repeat: matches 5471.
/note="LIMB2 repeat"
complement
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/note="LIMI repeat: matches 1882. .2493 o

join(23433. .23587,23905. .24080)

/note="match: GSS: Em:AQ745958"

23646. .24715

/note="LIMEC repeat: matches 1115. .2227
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complement(27908. .28191)
/note="ma**"
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22747. .23126
/note="L1 repeat: matches 4745. .5127 of
                                           /note="11 copies 4 mer caca 90% conserved" 30354. .30466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               match: proteins: Sw:P29316 Sw:Q07761 Tr:Q9TNR9 Tr:048553 Sw:Q20647 Tr:081229 Sw:022644 Sw:P48162 Tr:097118"
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27260. .27378
                                                                                        /note="8 copies 6 mer cacaca 87%
29662. .29705
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                                                                                                                                                                                            join(28324. .28371,28947. .29064)
/note="match: GSS: Em:AQ178192"
28376. .28925
/note="MLT2B repeat: matches 1. .448 of consensus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       complement(28181
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/note="match: GSS: Em:AQ568541"
/nonlement(28133. .28377)
                                                                                                                                                 /note="25_copies 4 mer aagg 76% conserved"
                                                                                                                                                                              29053. .29152
                                                                                                                                                                                                                                                             /note="match: GSS: Em:AQ033673"
join(28324. .28371,28947. .2906
                                                                                                                                                                                                                                                                                                                                    28264. . 28375
                                                                                                                                                                                                                                                                                                                                                                                                                                          28202. .28375
/gene="bA446H13.2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /gene="bA446H13.2"
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|oin(27994. .28372,28928. .29009)
|gene="bA446H13.2"
|note="bA446H13.2" (RPL23A (60S ribosmal protein 23A)
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join(27994. .28372,28928. .29009)
/genc="haddet19 ""
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                                                                                                                                                                                                                                                                                                                                                                            'gene="bA446H13.2"
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"L2 repeat: matches 2634. .2746 of consensus" .30954
                                                                                                                                   .29707
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                                                                                                               conserved'
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1 (bases 1 to 1275)
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Zea mays
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                                                                                                                                                                                                                                                                                                                                                                                          /translation="MGYLEDLYARAGGCAVIDGGFATQLEALGADINDPLWSAACLIT
RPHLVKEVHMQYLEAGADVIISSSYQATIPGFIARGMSVAEAEDLLRTSVKLANEARD
EFWKSTLRKSKPIYNRALVAASIGSYGAYLADGSEYSGSYGADITAEKLKDFHRRRLQ
VLASAGPDLIAFEAIPNQMEAQALVELLEEEKYQIPSWICFSSVDGKNLCSGESFADC
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ECLGHKSFDALAKRWQEAGASLIGGCCRTTPSTIRAVSKILKGRTGH"
301 c 356 g 277 t
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complement(3526. .33068)
/note-"match: GSS: Em:AQ277814"
32562. .33031
                                                                                                                                                                                                                                                                                                                                                                                                                                                              /product="homocysteine S-methyltransferase-1"
/protein_id="AAG22537.1"
/db_xref="GI:10732785"
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                                                                                   alternata exoglucanase (C1) mRNA,
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100.0%; Pred. No.
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AX056994
                                                                                                                                                                                      Patent: WO 0075340-A 11 14-DEC-2000;
E.I. DU PONT DE NEMOURS AND COMPANY (US)
                                                                                                                                                                                                                            Butler, K.H., Famodu, O.O., Gutteridge, S. and Magnesium chelatase
                                                                                                                                                                                                                                                                                            Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae; eurosids I; Fabales; Fabaceae; Papilionoideae; Phaseoleae;
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Eshel,D., Prusky,D. and Dinoor,A.
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1 (bases 1 to 1409)
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                                                                                             /organism="Glycine max"
/db_xref="taxon:3847"
489 c 589 g 6
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/protein_id="AAF05699.l"
/protein_id="AAF05699.l"
/protein_id="AAF05699.l"
/db_xref="Gi:6179889"
/translation="mTWQSCTAKGSCTNKNGKIVIDANWRWLHKKEGYDNCYTGNEWD
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TTYEMFKFTGNOETHDVDVSNLPCGENGALYFVSMDADGGLKKYSTNKAGAKYGTGY
CDAQCPRDLKFINGEGNVEGWKPSSNDANAGVGGHGSCCAEMDIWEANSYSTAYTPHS
CSTIEDGSRCDGDCGCGTYSADBYAGVCDPDGCDFNSYEMGYKDFYGKGKTVDTSKKFT
                                                                                                                                                                     Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                            Local Similarity
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                                                                          Homo sapiens, Similar to RIKEN cDNA 0610013117 gene, MGC:26926 IMAGE:4838423, mRNA, complete cds.
Homo sapiens
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                                                                                                                                    BC034500
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Cloning and partial characterization of an amiloride-sensitive sodium channel (fENAC) from adult bullfrog skin
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                                                                                                                                                                                                                                                                                                                                                                                                      853
                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                            /translation-"mitisnisrhsevmikrtklyftralhrmqkgpgytykellymf

(NNINTHGERRIVSEGEKRYWMFILFILIFAALFEWGMGVVIGYTLSYGYGYSLSIGE

NTMVEPAVYGUNVERFKYSRVKHLHDLDGLYUJTALDRIQFSGGGGIEAPNNTNON

VTLDPSLWNYMPLVVIDEHDPNNTIVYNIFDSSTDYSQINNATKGKGTEYABRYKYAI

ELCTUNRTGCSYNFTSGAQAIKDWLLQFSNIFSKIPEEKKYKGYQAEDMILTOME

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FLQSTAAARIILHQQRSFPFLKDLGIYAMPGTETSIAVLEDQTQHLEAPYSSCTVDGS

DIPVANIYSHREGGIMGQDPGUNSNYKMTISMADMPSAAAEDMIFHVLSYEKDTS

LDITVNRDGIMRLNIYFEEFNYRSISESPTINVWLLSHLGGQFGTWMGGSVLCTILEF

GEIILDCINTILKILAWIRDRRQKKRRPQYNDPPPTVAELVEAYSNSGFQHEDSNQV
                                                                                                                                                                                                                                                                                                                                                                                                                  STPIPGTPPPNYDSLRLKQIDAIDVISSDDE"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /product="epithelial sodium channel ENAC beta subunit"
/protein_id="AAM53958.1"
/db_xref="GI:21435744"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /tissue_type="skin epithelium"
168. .2135
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /db_xref="taxon:8400"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="Rana catesbelana"
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                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                              1.48;
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                                                                                                                                                                                                                                                                                                      0;
                                                                                                                                                                                                                                                                                                                        Score 26;
Pred. No.
                                                                                                                                                                                                                                                                                                      Mismatches
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                                                                                                                                                                                                                                                                                                                    DB 5;
0.0037;
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Ranidae; Rana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                VRT 17-JUN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Rana;
                                              KEYWORDS
SOURCE
                                                                                  ACCESSION
VERSION
                                                                                                                                                                                                                                                            밁
                                                                                                                                        DEFINITION
                                                                                                                                                                              AF044209
                                                                                                                                                                                                  RESULT 44
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                              ORGANISM
                                                                                                                                                                                                                                                                                                                                    Matches
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TITLE
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Query Match
Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                             1872 CAGTGTAAAAAAAAAAAAAAAAAAA 1897
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                  Homo sapiens
                                                                                                                                  AF044209.1
                                                                                                                                                                                                     Homo sapiens nuclear receptor co-repressor N-CoR mRNA, complete
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  . Similarity
26; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
Series: IRAK Plate: 34 Row: o Column: 3
This clone was selected for full length sequencing because it
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tissue Procurement: Miklos Palkovits, M.D., Ph.D.
CDNA Library Preparation: Michael J. Brownstein (NHGRI) & Shiraki
Toshiyuki and Piero Carninci (RIKEN)
CDNA Library Arrayed by: The I.M.A.G.B. Consortium (LINL)
DNA Sequencing by: Institute for Systems Biology
http://www.systemsbiology.org
contact: amadansystemsbiology.org
Anup Madan, Jessica Fahey, Erin Helton, Mark Ketteman, Anuradha
Anup Madan, Jessica Fahey, Erin Helton, Mark Ketteman, Anuradha
                                                                                Homo sapiens.
                                                                                                                                                          AF044209
                                                                                                                                                                                                                                     AF044209
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     passed the following selection criteria: Similarity but not identity to protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Clone distribution: MGC clone distribution information can be found
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NIH-MGC Project URL: h
Contact: MGC help desk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Email: cgapbs-r@mail.nih.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Direct Submission
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        YAFLLLIIRRVFEKEVÄSPLAKSEGIKETVRKYTPNTVLENFEKHSTROPLQTDIYGL
AKKCNLTERQVERWFRARRNOERPSRLKKEQEACWRFAFYLITVAGIAFLYDKPWLYD
LWEVWNGYPKOPLLPSQYWYYILEMSEYWSLLFRLGEDVKKKDELAHIIHHLAAISLM
SESWCANYIRSGTLVMLVHDVADIMLESAKMFSYAGWTQTCWTLFFIFSTIFFISRLI
VFPFWILYCTLILPMYHLEPFFSYIFLNLQLMILQVLHLYWGYYILKMLNRCIFMKSI
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/protein_id="AAH34500.1"
/db_xref="GI:21759791"
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/tissue_type="Testis"
/clone_lib="NIH_MGC_97"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /translation="MFWTFKEWFWLERFWLPPTIKWSDLEDHDGLVFVKPSHLYVTIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /codon_start=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /organism="Homo sapiens"
/db_xref="taxon:9606"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             'note="Vector: pBluescript"
                                                                                                                                GI:3510602
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100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 26;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        859 g
                                                                                                                                                                                                                                  7940 bp
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Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
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0.0038;
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Query Match
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98393736
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Submitted (22-JAN-1998) Hematology Branch, National Heart, Lung and Blood Institute, Bldg. 10, Rm. 7C103, 9000 Rockville Pike, Bethesda, MD 20892, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Direct Submission
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GSPMMRTSDVTI PPINKSTNHEEKSTLIPTQRESI PAKSPVRGVDPVVSHSPPDHHR
GSTBMMRTSDVTI PPINKSTNHEEKSTLIPTQRESI PAKSPVRGVDPVVSHSPPDHHR
GSTBMRTSDVTI PPINKSTNHEEKSTLIPTQRESI PAKSPVRGVDPVVSHSPPDHHR
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SSLSSHRYETPSDAIEVISPASSPAPPQEKLQTYQPEVVKANQAENDPTROYEGPLHH
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LVSSPIJKPNPLDLPQLQHRAAVIPPMVSCTPCNIPIGTPVSCYALYQRHIKAMHESAL
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EGSISQGTPIKEDNNSGQSAIKHNVKSLITGPSKLSRGMPPLEIVPENIKVVERGKYE
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ATPRGAKTANSQGRKKGRITRAMTNEAAAASAAAATEEPPPPPLPPPPBPISTEPVE
TSRWTEEEMEVAKKGLVEHGRNWAA IAKMYGTKSEAQCKNEYFNYKRRHULDNLLQOH
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                                                                                                                                                                                                                                              SRGHSFADPASNLGLEDIIRKALMGSFDDKVEDHGVVMSQPMGVVPGTANTSVVTSGE
TRREEGDPSPHSGGVCKPKLISKSNSRKSKSPIPGQGYLGTERPSSVSSVHSEGDYHR
QTPGWAWEDRPSSTGSTQFPYNPLTMRMLSSTPPTPIACAPSAVNQAAPHQQNRIWER
                                                                                                                                                                                                                                                                                                                                                                 YRPQQESPSPQQQLPPSSQAEGMGQVPRTHRLITLADHICQITTQDFARNQVSSQTPQ
QPPTSTPQNSPSALVSTPVRTKTSNRYSSESQAGSVHHQRPGSKYSPENLVDKSKGSR
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LPSFFTKLENTSPMVKSKKQEIFRKLNSSGGGDSDMAAAQPGTEIFNLPAVTTSGSVS
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NEKQMRQLSVIPPMMFDAEQRRVKFINMNGLMEDPMKVYKDRQFMNVWTDHEKEIFKD
KFIQHPKNFGLIASYLERKSVPDCVLYYYLTKKNENYKALVRRNYGKRRGRNQQLARP
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PEKPVSPPPVEQKHRSIVQIIYDENRKKAEEAHKIFEGLGPKVELPLYNQPSDTKVYH
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/protein_id="AAC33550.1"
/db_xref="GI:3510603"
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241. .7563
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1.4%; Score 26; DB 9; 00.0%; Pred. No. 0.0039;
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                                          Length 7940;
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Toward a complete human genome sequence
Genome Res. 8 (11), 1097-1108 (1998)
                                                                                                                                  Submitted (01-MAR-2002) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 6
                                                                                                                                                                                                    UJ-FEB-2000) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, USA 5 (bases 1 to 94336)
                                                                                                                                                                                                                                                                                                                                                                                                                                      Courtney,L., Nelson,J., Wohldmann,P., Bauer,C. and Morris,M. The sequence of Homo sapiens BAC clone CTA-318M5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AC005250 94336 bp DNA linear PRI 01-MAR Homo sapiens BAC clone CTA-318M5 from 7q22, complete sequence.
                                                                                                                                                                                                                                                                                       Waterston, R
                                                                                                                                                                                                                                                                                                                           Submitted (03-JUL-1998) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, USA
                                                                                                                                                                                                                                                                                                                                                                                     Waterston, R
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                                                                            Center: Washington University Genome Sequencing Center Center code: WUGSC
Center project name: H_RG318M05
                                    Contact: sapiens@watson.wustl.edu
                                                            Web site:
                                                                                                                                                                                                                                                                                                                                                                   Submission
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                                                                                                                                                                                                                                                                                                                                                                                                                         (2001)
                                                          http://genome.wustl.edu/gsc
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                                                                                                                                          63108,
                                                                                                                                          USA
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NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap between neighboring data submissions.

all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by This sequence was finished as follows unless otherwise noted: restriction digest.

University Genome Sequencing Center. For additional information about the map position of this sequence, see The sequence of this clone was established as part of a mapping and sequencing collaboration between the MHRI Chromosome 7 Mapping sequencing collaboration between the MRI Chromosome 1 Mapping Project (Eric D. Green, Director), John D. McPherson in the Project (Fric D. Green, Director), John D. McPherson in the Department of Genetics (Washington University), and the Washington Department of Genetics (Washington University), and the Washington mailto:egreen@nhgri.nih.gov , or see http://genome.wustl.edu/gsc http://www.nhgri.nih.gov/DIR/GTB/CHR7 , send MAPPING INFORMATION:

Matches

Conservative

0

Mismatches

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Actual start of this clone is at base position 1 of CTA-318M5;
actual end is at base position 94336 of CTA-318M5.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Clone CTA-318M5 is from a release of the human BAC library CITB-HS-A. The library contains cloned DNA from human sperm. See: Shizuya et al., Proc. Natl. Acad. Sci. USA 89:8794-7 (1992); U-J. Kim et al., Genomics 34:213-8 (1996). The clone is available from Research Genetics, Inc. (http://www.resgen.com).
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/rpt_family="Alu" 6847. .7842
                                    /rpt_family="AT_rich" 6795. .6846
                                                                           /rpt_family="MIR" 6784. .6804
                                                                                                                                                                                        /rpt_family="Alu" 6177 6200
                                                                                                                   'note="match to EST A1860282 (NID:g5513898) w101b11.x1"
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395. .531
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/db_xref="taxon:9606"
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                         / Match 1.4%; Score 26; DB 9; Length 94336; Local Similarity 100.0%; Pred. No. 0.0046; Local Similarity 0; Mismatches 0; Indels
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8161. .8193
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7843. .8080
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1. .16402
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Search completed: November Job time: 7905.36 secs

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Db 83484 CAGTGTAAAAAAAAAAAAAAAAAAA 83459

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Post-processing: Minimum Match 0%
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Listing first 45 summaries
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1619
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12088.985 Million cell updates/sec
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Copyright (c) 1993 - 2002 Compugen Ltd.
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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661.4	668.6	687.8	704	754.2	787.8	Query Score Match Length DB
40.9	41.3	42.5	43.5	46.6	48.7	Query
678	1490	702	821	814	888	Query Match Length DB ID
9	H	14	12	ဖ	14	BB
9 AI936826	AK012406	BQ006545	BG752229	AL567376	BQ689771	ID
AI936826 wp69h10.x	AK012406 Mus muscu	BQ006545 UI-H-EI1-	BG752229 602731372	AL567376 AL567376	BQ689771 AGENCOURT	Description

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REFERENCE AUTHORS TITLE SOURCE ORGANISM RESULT 1 BQ689771 LOCUS FEATURES COMMENT KEYWORDS VERSION ACCESSION DEFINITION source Contact: Robert Strausberg, Ph.D.

Email: ggapbs-r@mail.nih.gov
Tissue Procurement: ATCC

CDNA Library Preparation: Rubin Laboratory

CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)

DNA Sequencing by: Agencourt Bioscience Corporation

Clone distribution: MGC clone distribution information can be

found through the I.M.A.G.E. Consortium/LLNL at:

http://image.llnl.gov

Plate: LLCM2388 row: o column: 21

High quality sequence stop: 665.

Location/Qualifiers Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 888)

NIH-MGC http://mgc.nci.nih.gov/.

National Institutes of Health, Mammalian Gene Collection (MGC)

Unpublished (1999) 5', mRNA sequence. BQ689771 BQ689771 888 bp mRNA linear EST 15-JUL-2002 AGENCOURT_8344092 NIH_MGC_110 Homo sapiens cDNA clone IMAGE:6248884 Homo sapiens BQ689771.1 GI:21815087 þe

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BASE COUNT
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AGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGT -GCTTGGGTTTGGCCGC 1289
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                                                               AGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAG 1349
                                                                                                                                  AGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGGCCTTGGGTTTGGCCGC
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/db_xref="taxon:9606"
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/tissue_type="ductal carcinoma, cell line"
/tissue_type="ductal line"
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219 c 264 g 187 t 1 others
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No. 2.4e-142;
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                                                                       GTTCCCACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAAACCATTCTC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Full-length cDNA libraries and Unpublished (2001) Contact: Genoscope
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mammalia; Eutheria;
1 (bases 1 to 814)
Li,W.B., Gruber,C.,
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                                                                                                                                                                                                                                                                                                                                                                                                                         Technologies. Contact: Feng Liang Life Technologies, division of Invitrogen 9800 Medical Center Drive Rockv., Maryland 20850, USA Fax: (1) 301 610 8371 Email: fliang@lifetech.com URL: http://fulllength.invitrogen.com" 228 c 210 g 205 t 10 others
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /lab_host="DH108"
/lab_host="DH108"
/note="Organ: Fetal brain; Vector: pCMVSPORT 6; 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-stranded cDNA was digested with Not I and cloned into the Not I and Eco RV sites of the pCMVSPORT 6 vector. Library was constructed by Life
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/clone_lib="LTI_FL013"
/dev_stage="pooled tissue from
week, 24 week and 26 week)"
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High quality sequence stop: 770.
Location/Qualifiers
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Tissue Procurement: ATCC
                                                                                                                                                                                                                                                                                                              NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
Unpublished (1999)
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/db_xref="taxon:9606"
                /clone="IMAGE:4875113"
/clone_lib="NIH_MGC_43"
/tissue_type="normal pigmented
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                            ACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCA 1368
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/note="Organ: eye; Vector: pOPB7; Site_1: XhoI; Site_2: ECORI; "CDNA made by Oligo-dT priming. Directionally cloned into EcoRIXXhoI sites using the following 5' adaptor: GGCACGAC(G). Library constructed by Ling Hong In the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-CDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies). Note: this is a NIH_MGC Library. |"
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Tissue Procurement: Dr. Jose Mercuende
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Unpublished (1997)
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National Cancer Institute, Cancer Genome Anat
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//dev_stage="Adult"
//dev_stage="Adult"
//lab_host="DH10B (Life Technologies)"
//note="Organ: Left Pelvis; Vector: pT7T3-Pac (Pharmacia)
with a modified polylinker; Site_1: EcoR I; Site_2: Not I;
NCI_CGAP_EII is a normalized cDNA library containing the
following tissue(s): Chondrosarcoma. The library was
constructed according to Bonaldo, Lennon and Soares,
Genome Research, 6:791-806, 1996. First strand cDNA
synthesis was primed with an oligo-dT primer containing a
Not I site. Double stranded cDNA was ligated to an EcoR I
adaptor, digested with Not I, and cloned directionally
into pT7T3-Pac vector. The oligonucleotide used to prime
the synthesis of first-strand cDNA contains a library tag
sequence that is located between the Not I site and the
(dT)18 tail. The sequence tag for this library is
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Shibata, K., Itoh, M., Aizawa, K., Nagaoka, S., Sasaki, N., Carninci, P., Konno, H., Akiyama, J., Nishi, K., Kitsunai, T., Tashiro, H., Itoh, M., Sumi, N., Ishii, Y., Nakamura, S., Hazama, M., Nishine, T., Harada, A., Yamamoto, R., Matsumoto, H., Sakaguchi, S., Ikegami, T., Kashiwagi, K., Fujiwake, S., Inoue, K., Togawa, Y., Izawa, M., Ohara, E., Watahiki, M., Yoneda, Y., Ishikawa, T., Ozawa, K., Tanaka, T., Matsuura, S., Kawai, J., Okazaki, Y., Muramatsu, M., Inoue, Y., Kira, A. and Hayashizaki, Y.
                                                                                                                                                                                                           Carninci,P., Shibata,Y., Hayatsu,N., Sugahara,Y., Shibata,K., Itoh,M., Konno,H., Okazaki,Y., Muramatsu,M. and Hayashizaki,Y. Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new common Res. 10 (10), 1617-1630 (2000)
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High-efficiency full-length cDNA cloning
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                                                                                                                                                                                                   Submitted (10-JUL-2000) Yoshihide Hayashizaki, The Institute of Physical and Chemical Research (RIKEN), Laboratory for Genome Exploration Research Group, RIKEN Gemomic Sciences Center (GSC), RIKEN Yokohama Institute; 1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan (E-mail:genome-res@gsc.riken.go.jp, URL:http://genome.gsc.riken.go.jp/, Tel:81-45-503-9222, Fax:81-45-503-9216)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Functional annotation of a full-length mouse cDNA collection Nature 409 (6821), 685-690 (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Please visit our web site (http://genome.gsc.riken.go.jp/) for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Direct Submission
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/strain="C57BL/GJ"
/db_xref="FANTOM_DB:2700050C12"
/db_xref="MGD:MGI:1905429"
/db_xref="taxon:10090"
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/db_xref="MGD:MGI:1919835"
/translation="MLQSQAAAEHLPEHLPELLRGHVVEERVDHRAEVEEGIREGQED
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/dev_stage="11 days embryo"
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                                                                                                                                                                                 NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute / National Institute of Neurol
Disorders and Stroke, Brain Tumor Genome Anatomy Project
(CGAP/BTGAP), Tumor Gene Index
                                                                                                                                                                                                                                                                                                                                                                                                                 Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D.,
                                                                                                                                                                                                                                                                                                                                                                                                         GPR39
                                                                                                                                             Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                Unpublished (1998)
                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                              cDNA Library Arrayed by: Greg Lennon, Ph.D.
   DNA Sequencing by: Washington University Genome Clone distribution: NCI-CGAP clone distribution
                                                                       cDNA Library
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                                                                       Preparation: M. Bento Soares,
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information can
                  Sequencing Center
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         TGGCCAGGAAATGGTACCAATTTTTCAGTGTTTGACAGCTTCACAGCCTTCTTTTGCCACAAGC
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www-bio.llnl.gov/bbrp/image/image.html
Insert Length: 1143 Std Error: 0.00
Seq primer: -40UP from Gibco
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/lab_host="DH10B"
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/clone_lib="NCI_CGAP_Brn25"
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ACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGG 1230
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cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bloscience Corporation
Clone distribution: MGC clone distribution information can
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM12722 row: h column: 07
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Tissue Procurement: Invitrogen
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BM547680
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unpublished (1999)
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National Institutes of Health, Mammalian
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Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /tissue_type="hippocampus"
/lab_host="DH10B"
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/clone_lib="NIH_MGC_124"
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/db_xref="taxon:9606"
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plate: LLCMIll row: c column: 19
High quality sequence stop: 721.
Location/Qualifiers
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Tissue Procurement: DCTD/DTP
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National Institutes of Health, Mammalian Gene
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CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
/organism="Homo sapiens"
//db_xref="taxon:9606"
//clone_lib="NHAGE_5141450"
//clone_lib="NHAGE_5141450"
//clone_lib="NHAGE_9"
//tissue_type="adenocarcinoma cell line"
//lab_bost="DH100 (phage-resistant)"
//note="Organ: ovary: Vector: pOTB7; Site_1: XhoI; Site_2:
ECORI; CDNA made by oligo-dT priming. Directionally
cloned into EOCRI/XhoI sites using the following 5'
adaptor: GGCACGAG(G). Size-selected >500bp for average
insert size 1.8kb. Library constructed by Ling Hong in
the laboratory of Gerald M. Rubin (University of
California, Berkeley) using ZAP-cDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies)."
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National Institutes of Health, Mammalian
Unpublished (1999)
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Email: cgapbs-r@mail.nih.gov
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /tissue_type="melanotic melanoma"
/lab_host="DH103 (phage-resistant)"
/lab_host="Dryan: skin; Vector: pOTB7; Site_1: XhoI; Site_2:
/note="Organ: skin; Vector: pOTB7; Site_1: XhoI; Site_2:
/note="Organ: skin; Vector: pOTB7; Site_1: XhoI; Site_3: Directionally
cloned into EcoRI/XhoI sites using the following 5;
adaptor: GGCACGAG(G). Size-selected >500bp for average
insert size 1.8kb. Library constructed by Ling Hong in
the laboratory of Gerald M. Rubin (University of
California, Berkeley) using ZAP-cDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies)."
68 a 172 c 199 g 137 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /clone="IMAGE:3617696"
/clone_lib="NIH_MGC_20"
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JOURNAL COMMENT
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                                                                      Matches 665;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1490 GTTGGACTTGACAGCTTCT 1508
             921 TCGACACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAG 980
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 High
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Burt Feuerstein, M.D., Mark Israel,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cDNA Library Preparation: M. Bento Soares, Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleosto Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 690)

NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.

National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project (CGAP/BTGAP), Tumor Gene Index
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Possible reversed clone: similarity on wrong strand Seq primer: -40UP from Gibco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Unpublished (1998)
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xf40h05.xl NCI_CGAP_Brn50 Homo s
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                                                                    Conservative
                                                                                                                                                                   /clone="IMAGE:2620569"
/clone_lib="NCI_CGAP_Brn50"
/tissue_type="medulloblastoma"
/lab_host="DH108 (phage resistant)"
/lab_host="DH108 (phage resistant)"
/note="Organ: brain; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; 1st strand cDNA was prepared from medulloblastoma tumor tissue, and was then primed with a Not I - oligo(dT) primer. Double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. This library is normalized. Library constructed by Bento Soares and M. Fatima Bonaldo. "
42 a 196 c 160 g 191 t 1 others
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="Homo sapiens"
/db_xref="taxon:9606"
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Pred. No. 8.3
Mismatches
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8.3e-114;
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                                                                          Unpublished (1997)
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs r@mail.nih.gov
                                                                                                                                                                                                                                                                                                                                      649 bp mRNA linear EST 22-MAR-2000 hg51el2.x1 NCI_CGAP_GC6 Homo sapians cDNA clone IMAGE:2949166 3' similar to SW:GP39_HUMAN 043194 PUTATIVE G PROTEIN-COUPLED RECEPTOR
                   Bonaldo,
                                                                                                                                                 NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anat
                                                                                                                                                                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                      Tumor Gene Index
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                                                              Tissue Procurement: Christopher A. Moskaluk, M.D., Ph.D., Michael
                              CDNA Library Preparation: M. Bento Soares, Ph.D.,
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cDNA Library Arrayed by: Greg
                                                 Emmert-Buck, M.D.,
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                   Ph.D.
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Sequencing by: Washington University Genome Sequencing Center

Lennon,

Ph.D.

Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:

image.llnl.gov/image/html/iresources.shtml

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FEATURES
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                             CGGGGGAGTTGGCTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT 1599
                                                                                   TGTTGGACTTGACAGCTTCTTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACC
                                                                                                                                        TGTTGGACTTGACAGCTTCTTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACC 1548
                                                                                                                                                                                                   TAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAG
                                                                                                                                                                                                                                 TAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAG 1488
                                                                                                                                                                                                                                                                                                                 TGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCA 232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCA 1368
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Possible reversed clone: similarity on wrong strand
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /tissue_type="pooled germ cell tumors"
/lab_host="DH10B"
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/clone_lib="NCI_CGAP_GC6"
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98.6%;
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Pred. No. 4.3e-109;
0; Mismatches 7;
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MEDLINE
                                                                                               Matches 625;
                                                                                                                                                Query Match
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                                                                                                                            Local Similarity
BM669397
UI-E-DW1-ahd-c-11-0-UI.S1 UI-E-DW1 Homo sapiens cDNA clone UI-E-DW1-ahd-c-11-0-UI 3', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Email: msoares@blue.weeg.ulowa.edu
Tissue Procurement: Dr. Gregg Hageman
cDNA Library preparation: Dr. M. Bento Soares, Univeristy of Iowa
cDNA Library Arrayed by: Dr. M. Bento Soares, Univeristy of Iowa
DNA Sequencing by: Dr. M. Bento Soares, Univeristy of Iowa
Olone Distribution: Researchers may obtain clones from Research
Genetics (www.resgen.com).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tel: 319 335 8250 Fax: 319 335 9565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Contact: Soares,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   97044477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  discovery
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Bonaldo, M.F., Lenno
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Normalization and subtraction: two approaches
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                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                           /lab_host="Dubb" (Life Technologies) (T1 phage resistant)"
/lab_host="Dubb" (Life Technologies) (T1 phage resistant)"
/note="Organ: eye; Vector: pT7T3-Pac (pharmacia) with a
modified polylinker; Site_1: EcoR I; Site_2: Not I;
UI=::DMI is a normalized cDNA library containing the
following tissue(s): lens. The library was constructed
according to Bonaldo, Lennon and Soares, Genome Research,
6:791-806, 1996. First strand cDNA synthesis was primed
with an oligo-dT primer containing a Not I site. Double
stranded cDNA was ligated to an EcoR I adaptor, digested
with Not I, and cloned directionally into pT7T3-Pac
vector. The oligonucleotide used to prime the synthesis of
first-strand cDNA contains a library tag sequence that is
located between the Not I site and the (dT)18 tail. The
sequence tag for this library is CGATTACCA. This library
was created for the program, Gene Discovery in the Visual
                                                                                                                                                                                                                         TAG_TISSUE-human lens
TAG_SEQ-CGATTAGCGA"
180 c 145 g
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/clone_lib="UI-E-DW1"
/tissue_type="lens"
/dev_stage="adult"
                                                                                                                                                                                                                                                                                                 System, supported by National Eye Institute (NEI). TAG_LIB=UI-E-DW1
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99.5%;
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                                                                                                                         Score 613.4; DB 13
Pred. No. 1.3e-108;
                                                                                                    Mismatches
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                                                                                                                                                                                   Contact: Robert Strausberg, Ph.D. Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
                                                                     found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov Plate: LLCM321 row: h column: 08
                                                                                                                                                                                                                                NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, M
Unpublished (1999)
                                                                                                                                                                                                                                                                           Mammalia; Eutheria;
1 (bases 1 to 743)
                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Mammalia; Eutheria; Primates;
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                                                                                                                                                                                                                                                                                                                                                                                       mRNA sequence
BE395797
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                                         quality sequence stop: 600.
Location/Qualifiers
/organism="Homo sapiens"
/db_xref="taxon:9606"
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/clone_lib="NIH_MGC_44"
/tissue_type="endometrium, adenocarcinoma cell line"
/lab_host="DH10B (phage-resistant)"
/note="Oygan: uterus; Vector: pOTB7; Site_1: XhoI; Site_2:
ECORI; CDNA made by oligo-dT priming. Directionally
cloned into EcORI/XhoI sites using the following 5'
adaptor: GGCACGAG(G). Library constructed by Ling Hong
in the laboratory of Gerald M. Rubin (University of
California, Berkeley) using ZAP-CDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies)."
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92.3%;
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TITLE
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                                                1223 AGAAGGGGAGGAGCATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTT 1282
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                                                                                                                                                                                                                                                                                                                                                                                                              AATCTTCTCAGTTCTCCCTGCAGAGGACTGGCGCGGGGGACGCGAAGAGCAACGGGCGCTG 557
                                                                                                                                                   GCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCG 1222
AGAAGGGGAGGAGCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTT
                                                                                                     GCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCG
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CDNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
Insert Length: 1212 Std Error: 0.00
Seq primer: -40UP from Gibco
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher A. Moskaluk, M.D.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Contact: Robert Strausberg, Ph.D.
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National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organisme"Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:2499661"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /tissue_type="pooled germ cell tumors"
/lab_host="DH10B"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IMAGE Consortium (info@image.llnl.gov) for further information.
Seq primer: -40UP from Gibco
High quality sequence stop: 459.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 696)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Email: cgapbs-r@mail.nih.gov
This clone is available royalty-free through LLNL ; contact the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Contact: Robert Strausberg, Ph.D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Unpublished (1997)
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               /note-"Organ: pooled; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Ecc RI; Equal amounts of plasmid DNA from five normalized libraries were mixed, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified CDNAs from pools of 5,000 clones made from the same 5 libraries. The pools consisted of the following libraries and cloneIDs: Soares NBHSF pool 1: 309384-310919, 323208-325895 Soares NB2HP pool 1: 145032-147335, 147720-148103, 148872-149255, 15002 - 150407, 151176-152327 Soares NBHSF-9w pool 1: 758280-760583, 772104-774407 Soares NBHSP pool 1: 304776-306311, 320136-322823, 326280-326663 Soares NBHOT pool 1: 733720-726407, 739880-740999 Subtraction by Bento
                                                                                                                                                                                                                                                                                                                                                                                   /clone="IMAGE:3272627"
/clone_lib="Soares_NSF_F8_9W_OT_PA_P_S1"
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Search completed: November 7, 2002, 15:02:50 Job time: 2182.96 secs

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Result

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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	AATGCTTTAGACAGTGTAAAAAAAAAAAAAAAAAAAA 1897	1861	Qy
1860	TTAACACTGTTTCAAACCCGGGGGAGTTGGCTGTGTTAAAGAAAG	1801	Db
1860	AGAGAATTTAACACTGTTTCAAACCCG	1801	Qy
1800	TTTTGCCACAAGC	1741	Дb
1800	SAAATGGTACCAATTTTTCAGTGTTTGGACTTTGACAGCTTCTTT	1741	Qy
1740	GAGAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTG	1681	Db
1740	AGAACACAGTAAATGAATAAAACCATAAAATATTTTAGCCCCTCTGTTCTGTGCTTACT	1681	δ
1680	CAATCAGCCCTGGGCAGACACGAGCAGGAGAGAGACAGAGAAAAGAAAACACAGCAT	1621	Дb
1680	AATCAGCCCTGGGCAGACACGAGCAGGAGGAGAGAGAGAG	1621	Qy
1620	TGGCCGCAGGCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAA	1561	Дb
1620	GGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCAC	1561	Qy
1560	AGAAGGGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTT	1501	ф
1560	GAAGGGGAGGAGGATCATGTACGCCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGT	1501	Qy
1500	GCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCG	1441	Db
1500	SACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAAACGTCTCC	4	Qy
1440	TGGCGTGCTGCAGCGACAGGCGCAGCACAGCACCTGCACGAACACCCGGCCGAAACTGCT	1381	Db
1440	GGCGTGCTGCAGCGACAGGCACAGCACCAGCACGAACACCCGCGCGAAACTGC	1381	Qy
1380	GCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGT	1321	Db
1380	CACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGG	1321	Qy
1320	AAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGAAGACCAACGGGCGCT	261	Db
	AGTTCTCCTTGCAGAGGACTGGCGCGCGGACGCGAAGAGCAACGGGCGC	261	Qy
1260	CGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCTGAAAAAGTGCTTAAGA	1201	Дb
1260	GAGACTCAATGACTGGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAG	1201	Qy
1200	GAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCCTGAGTTGGGCTCTAGTGACT	1141	Db
1200	AAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGAC	1141	у
1140	GGCTGGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCT	1081	Db
1140	GCTGGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCC	1081	Qy
1080	CATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAG	1021	Db
1080	ATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGAGTGAGAGTGAGAGTTTTCTT	1021	Qу
1020	AGAGTCWGTCCTTAGAAGTCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTC	961	당
1020	TCWGTCCTTAGAAGTCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAG		Qy
960	AGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAAGGCTGGC	901	Db
960	GAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCI	901	Qy
900	CTCGGTAAAGCATTCTGAATAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGA	841	Db
900	TCGGTAAAGCATTCTGAATAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGG	841	Qy

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                                                                                                           The invention relates to ovarian tumour polynucleotides and polypeptides CC that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are CC gene therapy. Polypeptides and polynucleotides of the invention are CC useful for detecting a cancer in a patient. For stimulating and/or CC expanding T-cells specific for a tumour protein, and for inhibiting the CC expanding T-cells specific for a tumour protein, and for inhibiting the CC stimulating an immune response in a patient. They are also useful for the CC The isolated polynucleotides of the invention are useful for their CC ability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and CC polypeptides in tumour cells. Polypeptides and polynucleotides of the invention are also useful in recombinant DNA molecules to direct CC expression of a polypeptide in appropriate host cells. The current CC sequence represents the ovarian carcinoma 01034C/0591S consensus
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ABL40352
                                     Matches
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15-AUG-2000;
07-SEP-2000;
                                                                                 Sequence 1897 BP;
                                                                                                        nucleotide sequence
                                                                                                                                                                                                                                                                                                                                    Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer
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(STOL/)
(ALGA/)
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Stolk JA, Algate
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) STOLK J A.
) ALGATE P A.
) FLING S P.
                                                Similarity
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                                    100.0%; illarity 100.0%; Conservative 0;
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CATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAG
                                                                                 CATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGAGTGAGATGAGGTGACGTTTTCTTAG
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                            antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungicide; ophthalmological; gene therapy; autoimmune disease; neoplasm rheumatoid arthritis; hyperproliferative disorder; cardiac arrest; cardiovascular disorder; cerebral ischaemia; anglogenesis; nervous system disorder; Alzheimer's disease; infection; anglogenesis; nervous system disorder; blachmer's disease; infection; coular disorder; corneal infection; wound healing; skin aging;
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                                                                                                                                                                                                                                                                                                                                                                             secreted protein gene 28
                                                                                                                                                                                                                                                                                                     secreted protein; diagnosis; immunosuppressive; antiarthritic;
preservative;
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                                                                                                                                                                                                                                                                                                                                                                                                                      CC and polypeptides homologus to them. Human secreted proteins have activitles based on the tissues and cells the genes are expressed in. CC examples of activitles include: Immunosuppressive; antiarthritic; cc antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic; cc erebroprotective; nootropic; neuroprotective; antibacterial; virucide; cc fungicide; and ophthalmological. The polynucleotides and proteins can be cc used to prevent, treat or ameliorate a medical condition in e.g. humans, cmice, rabbits, goats, horses, cats, dogs, chickens or sheep. They are calso used in diagnosing a pathological condition or susceptibility to a pathological condition or susceptibility to a comparison of the breast or liver, cardiovascular cdisorders e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral cdisorders e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral cdisorders e.g. corneal infection. The polypeptides can also be used to aid wound healing and epithelial cell proliferation, to prevent skin caping due to sunburn, to maintain organs before transplantation, for chemotaxis. The polypeptides can also be used and condensus provides control conditions or supportive to increase or forcease storage capanhilities. ARE2364 to
                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                       Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                        chemotaxis. The polypeptides can also be used as a food additive or preservative to increase or decrease storage capabilities. AAF22354 to AAF22372 and AAF63133 represent sequences used in the exemplification of the comp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 1; Page 440; 533pp; English.
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(ROSE/)
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                                                                                                                                                                                                                                                                                                                                           Sequence 1953 BP;
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                                                                                                                                                           CGGGCGATGCAGGCTCCGCGAGCGGCACCTGCGGCTCCTCTAAGCTACGACCGTCGTCTC 138
                                                                                                                                                                                               GGTGCTCGGCCCGGAGCGCGAGCGGGAGCAGCAGAGACCCGCAGCCGGAGCCCGAGCG
CTCCGCTGCTGTCCCCTCTGATGCGCTTGCCCTCTCCCCGGCCCCGGGACTCCGGGAG
                                                  CGCGGCAGCAGCGCGGGCCCCAGCAGCCTCGGCAGCCACAGCCGCTGCAGCCGGGGCCAGC 198
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ROSEN C A.
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                                                                                                                                                                                                                                                                                       Similarity
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CGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACA 1398
                                                      TTGCAGAGGACTGGCGCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGT
                                                                                                                                                                               CAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGG
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                                   TTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGCCGCTGCACAAAGCGGCCCTGT
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                                                            TTCAAACCCGGGGGAGTTGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGTA
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                                                                                                              TAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAA
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                                                                                                                                                                                                                      CACGAGCAGGAGGAGAGAGAGAAAAAGAAAAACACAGCATGAGAACACAGTAAATRAA
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antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungicide; opthalmalogical; vulnerary; autoimmune disease; cardiovascular disorder; hyperproliferative disorders; cerebrovascular disorder; wound healing; 11-JUN-1999; Human; secreted protein; immunosuppressive; antiarthritic; antirheumatic; 01-JUN-2000; 2000WO-US14973 Homo sapiens. pervous system disorder; ocular disorder; skin ageing; chemotaxis; 99US-0138630

Rosen CA, 2001-071258/08 Ruben SM, Komatsoulis

(HUMA-) HUMAN GENOME SCI INC (ROSE/) ROSEN C A.

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P-PSDB; AAB75518

Nucleic acid molecules encoding human secreted proteins, used Í'n

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Best Local Sir
Matches 1856;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     increase or decrease storage capabilities. Included in the invention are polynucleotide sequences AAr64167 - AAr64175 and peptide AAB75505 which are used in the isolation, identification and characterisation of the proteins of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  e.g. neoplasms of the breast or liver, cardiovascular disorders e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral ischaemia, angiogenesis, nervous system disorders e.g. Alzheimer's disease, infections caused by bacteria, viruses and fungi and ocular disorders e.g. corneal infection. The polypeptides can also be used to aid wound healing and epithelial cell proliferation, to prevent skin ageing due to sunburn, to maintain organs before transplantation, for supporting cell culture of primary tissues, to regenerate tissues and in chemotaxis. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungicide; opthalmalogical; and vulnerary. The proteins, polynucleotides, agonists and antagonists can be used to treat or detect or diagnose various diseases and disorders including, autoimmune
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1755
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 1956 BP; 430 A; 543 C; 524 G; 456 T; 3 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           diseases e.g. rheumatoid arthritis, hyperproliferative disorders
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
CTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTG 558
                                                                                                                                                                  GCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCAGCAGCGGCCTGTCTCATCGC 498
                                                                                                                                                                                                                                                                                                                                                                                                                                    GCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCC 378
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AATGTGGGTCCTAGGCATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGC 318
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                                                                                                                                   GCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGC
                                                                                                                                                                                                                                                                  GCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCC 1576
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 1586; DB 22; Length 1956; Pred. No. 0;
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1638 317	TCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGA	1579 376	Qу
1578	TGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCC	1519	
377		436	Oy
1518	GGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCA	1459	Фр
437		496	
1458	GGCGGCAGCACAGCACCTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACA	1399	Qy
497		556	Db
1398	CGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACA	1339	Qy
557		616	Db
1338	TTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGT	1279	Qy
617		676	Db
1278	ACTTAGACTGGGGTCGGCCTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCC	1219	Qу
677		736	Db
1218	CAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGG	1159	Qy
737		796	Db
1158	CACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAG	1099	Qy
797		856	Db
1098 857	GGCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCC	1039 916	Оу
1038 917	TCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGG	979 976	Оy
978 977	TCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCWGTCCTTAGAAG	919 1036	Qу
918 1037	ATAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGT	859 1096	Db dd
858	GAGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGA	799	Qy
1097		1156	
798	ACCCCCACCTCACTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGG	739	Qy
1157		1216	Db
738 1217	CTGCTGAAGCTGAAGGAGATGCCACCCCCCCCCTCCTTGCATTGTTCCTTCC	679 1276	Qy
678	CCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACA	619	Qy
1277		1335	Db
618 1336	CTGCAACACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGC	559 1395	Оу

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20-DEC-2000
  One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for treating a PRO related disorder and for diagnosing tumours
                                                                Grimaldi JC,
                                                                                                                                                                                                                                                                                                                                                                                                          Human; secreted protein; PRO; tumour; lung cancer; colon cancer; breast cancer; prostate tumour; rectal tumour; liver tumour; pericyte cell proliferation; chondrocyte cell proliferation; tumour necrosis factor-alpha; gene; ss.
                                                                                             (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                  29-JUN-2001; 2001WO-US21066.
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C. Gurney AL,
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                                                            Gerritsen ME, Goddard
Smith V, Stephan JF,
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                                                    Goddard A, Gour
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colon cancer, breast tumour, prostate tumour, rectal
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AGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCCTCGGTAAAGCATTCTGAA
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               Human; ovarian cancer; ovarian carcinoma; cytostatic; gene; ss.
                                           Human ovarian
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Homo sapiens
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                                          carcinoma associated coding sequence SEQ ID NO:
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Best Local
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03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
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            CCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAATAAATTCAGCYTGACTGAAT
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Stolk JA, Algate
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                                                                                          CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCTGCAACACCCCCTCTTTGTAA
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CGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCAC
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1 GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA

Best Local Similarity Matches 1616; Conserv

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                                                                                                        The present invention provides human ovarian cancer associated pand coding sequences. The sequences can be used in the diagnosis treatment of ovarian cancers. The present sequence is a coding sequence is a coding sequence.
                                                                                                                                                                                                                                                                                                                                                                         Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian
Sequence 1619 BP; 399 A; 415 C; 432 G; 373 T; 0 other;
                                                                                                                                                                                                                                                                Claim 2; Page 195; 197pp; English.
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03-APR-2001; 2001US-0825294.
02-OCT-2001; 2001US-0970966.
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CCCCTCTGTTCTGTGCCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACTTGA
                                                                                                             AGAGAAAAGAAAAACACAGCATGAGAACACAGTAAATGAATAAAACCCATAAAATATTTAG
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Query Match Best Local Similarity

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Score 1396; Pred. No. 0;

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                                     The invention relates to ovarian tumour polynucleotides and polypeptides content may be utilised in cancer therapy, for example in a vaccine or consequence therapy. Polypeptides and polynucleotides of the invention are cuseful for detecting a cancer in a patient, for stimulating and/or cexpanding T-cells specific for a tumour protein, and for inhibiting the convertion are converted and patient. They are also useful for stimulating an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. They are also useful for cability to selectively form duplex molecules with complementary stretches of the invention are useful for their confidence in the invention are useful for their confidence in the invention are useful for their confidence in the confidence in their confidence in the confidence in appropriate and polynucleotides of the convention are also useful in recombinant DNA molecules to direct convention are also useful in recombinant DNA molecules. The current convention of a polypeptide in appropriate host cells. The current convention of a polypeptide convention of a polyp
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07-SEP-2000;
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01-MAY-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim la; Page 119-120; 131pp; English.
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  399 A; 415 C; 432 G; 373 T; 0 other;
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ABL40349 standard; cDNA; 1619
                                                                                        CCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTTGGACTTGA
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ABL40349
ID ABL40349 standard; cDNA; 1619 BP.

XX
AC ABL40349;
XX
DT 28-JUN-2002 (first entry)
XX
DT Ovarian carcinoma 0591S nucleotide sequence.
XX
XX
W Ovarian cancer; cancer therapy; vaccine; gene
XX
XX
SS Homo sapiens.

therapy;

tumour;

cancer;

10-JAN-2002.

10-JAN-2001; 2001US-0825294.

10-SEP-1999; 99US-0394374.
01-MAY-2000; 2000US-0561778.
15-AUG-2000; 2000US-056668.
10-NOV-2000; 2000US-0656668.
11-NOV-2000; 2000US-0713550.

(XUJJ/) XU J.
(STOL/) STOLK J A.
(ALGA/) ALGATE P A.
(FLIN/) FLING S P.

Xu J, Stolk JA, Algate PA, Fling SP;
WPI; 2002-171027/22.

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Best Local Sim
Matches 1616;
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  TTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAAC
                   TTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTGTAAC
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CAGCTTCTTTTGCCACAAGCAAGAAGAAGATTTAACACTGTTTCAAACCCGGGGGAGTTGG
                                                                                                   CCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGACTTGA
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RESULT 10
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Human cDNA encoding a membrane or secretory protein clone PSEC0181.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  which encode human secretory or membrane proteins represented by CC AAB88317 - AAB8419. Included in the invention are primers AAB88317 - AAB8419. Included in the invention are primers CAAR93917 - AAB8419. Included in the invention also includes methods for CC CDNA sequences of the invention. The invention also includes methods for CC the production of antibodies directed against the proteins, and cDNA CC sequences, which can be used in vaccines. The polynucleotide sequences cC can be used in gene therapy. The polynucleotide sequences and the CC diagnosis of diseases associated with inappropriate secretory protein/membrane protein expression. The nucleic acids and complementary cC sequences may also be used as DNA probes in diagnostic assays. CC (e.g. polymerase chain reactions (PCR) to detect and quantitate the presence of similar nucleic acid sequences in samples. They may also be used to study the expression and function of secretory proteins/membrane cC polypeptides and their role in metabolism. The polypeptides may be used as antigens in the production of antibodies against them and in assays to identify modulators (agonists and antagonists) of expression and cativity. The antibodies may also be used as diagnostic agents for detecting the presence of the collapostic agents which may be treated include rheumatoid contributes and disperses which may be treated include rheumatoid.
                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1890 BP; 419 A; 528 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        arthritis and diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nucleic acids encoding secretory proteins/membrane proteins, useful in gene therapy or as candidate target molecules in drug development -
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11-JAN-2000; 2000JP-0118775.
02-MAY-2000; 2000JP-0183766.
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rheumatoid arthritis; diabetes; ss.
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DB; AAB88418.
                                                                                              CGCGGCAGCAGCGGGCCCCAGCAGCCTCGGCAGCCACAGCCGCTGCAGCCGGGGCCAGC
                                                                                                                                         CGGGCGATGCAGGCTCCGCGAGCGGCACCTGCGGCTCCTCTAAGCTACGACCGTCGTCTC 152
                                             CGCGGCAGCAGCGCGGGCCAGCCTCGGCAGCCACAGCCGCTGCAGCCGGGGCAGC
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                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                          70.8%; Score 1344; DB 22; Length 1890; 99.7%; Pred. No. 0; Live 0; Mismatches 3; Indels 3;
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26-APR-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention relates to a method for identifying a nucleic acid molecule (G protein coupled receptor gene, GPCR 4941) associated with a cardiovascular or tumourigenic disorder. The method comprising contacting a sample containing a nucleic acid molecule with a hybridisation probe or amplification primers and detecting the presence. The invention is used in gene therapy. The method of the invention is used for identifying nucleic acids or polypeptides associated with a cardiovascular or tumourigenic disorder such as aberrant angiogenesis, aberrant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Identifying nucleic acids for the diagnosis and treatment of cardiovascular and tumorigenic disorders, comprises identifying protein coupled receptor (GPCR)-4941 \,-
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CCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGT

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CAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACACTGCTGAA 686 Matches Query Match Best Local :

1250;

Conservative

Similarity

60.6%;

Score 1150; Pred.

DB 24; 2

Length 1608;

0;

Gaps

0

340

Mismatches

Sequence 1608 BP; 402 A; 402 C; 417 G; 381 T; 6 other;

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CC ABP4228) and to cDNAs encoding them (ABQ54131-ABQ56135), and also CC encompasses polypeptides 90% identical and polynucleotides 95% identical CC to the sequences of the invention. The invention additionally relates to CC recombinant vectors and host cells comprising human ovarian antigen CC polynucleotides, antibodies against human ovarian antigens and the use CC of ovarian antigen polynucleotides and polypeptides in diagnosing, CC treating, prognosing or preventing various ovary and/or breast cancer, and CC disorders. Such conditions include ovarian cancer and breast cancer, and CC metastatic tumours of ovarian or breast origin, reproductive system CC disorders (e.g., infertility, disorders of pregnancy, anovulation, CC polycystic ovary syndrome, ovarian cysts, and dysmenorrhoea), endocrine CC disorders, infections (e.g., chamydia, HIV, toxoplasmosis, and toxic shock syndrome), inflammatory conditions (e.g., mastitis, oophoritis and CC vaginitis), immune disorders (e.g., congenital and acquired confidencies, autoimmune oophoritis, systemic lupus erythematosus), blood-related disorders (e.g., anaemia), cardiovascular disorders (e.g., anaemia), cardiovascular disorders
                                                                                                                            respiratory disorders, neurological disorders, pastrointestinal disorders and uninary system disorders ovarian antigen polypeptides and polynucleotides may also be used in screening for compounds which modulate ovarian antigen expression or activity. The polynucleotides may further be used for gene therapy, chromosome mapping, in the identification of individuals and in forensic analysis, and the polypeptides may be used as food additives or to prepare antibodies useful in disease diagnosis, drug targeting and phenotyping. The present sequence represents CDNA encoding a human ovarian antigen of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Isolated nucleic acid molecules encoding novel ovarian polypeptides, useful in the prevention, treatment and diagnosis of cancer (e.g. ovarian cancer), immune disorders, cardiovascular disorders and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 1; SEQ ID No 111; 2922pp; English.
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                                                                                                                  invention.
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                                          ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     invention relates to 2175 novel human ovarian antigens (ABP41054-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2002-147878/19
                                                                The sequence data for this patent did not form fication, but was obtained in electronic format
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Matches
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                                                                                                                                                                                                                                                                                                                                                                              The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14-NOV-2000; 2000US-0713550
03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
                                                                                                                                                                                                                             1331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian
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                                                                                                                                                                                                                                                                1271 AGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCG
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                        1571
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          The invention relates to ovarian tumour polynucleotides and polypeptides that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the expanding an immune response in a patient. They are also useful for stimulating an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their than the invention are useful for their than the content of the invention are useful for their than the content of the invention are useful for their than the content of the invention are useful for their than the content of the invention are useful for their than the content of the invention are useful for their than the content of the invention are useful for their than the content of the invention are useful for their than the content of the invention are useful for their than the content of the invention are useful for their than the content of the invention are useful for their than the content of the invention are useful for their than the content of the invention are useful for their than the content of the invention are useful for their than the content of the invention are useful for their than the content of the invention are useful for their than the content of the invention are useful for their than the content of the invention are useful for their than the content of the content of the invention are useful for their than the content of the invention are useful for their than the content of 
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(STOL/)
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                                                                                                                                                                                                                                                                 Ovarian tumour polypeptide and prevention and/or treatment of
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07-SEP-2000;
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01-MAY-2000;
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ALGATE P A
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ad sequence tag; EST; ss.
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2000US-0561778.
2000US-0640173.
2000US-0656668.
2000US-0713550.
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form duplex molecules with
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  complementary
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Best Local
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                                   Human; ovarian
                                                           Human ovarian cancer related DNA clone SEQ ID NO:10876
                                                                                        17-MAY-2002
                                                                                                                  ABL87898;
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                               cancer; ovarian tumour; cytostatic; gene;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1; SEQ ID 10876; 489pp; English
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  CATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    31.9%; Score 606; DB 24; llarity 100.0%; Pred. No. 5.4e-234; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BP;
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    cDNA sequences of the invention. The invention also includes methods for the production of antibodies directed against the proteins, and cDNA sequences, which can be used in vaccines. The polynucleotide sequences can be used in gene therapy. The polynucleotide sequences and the proteins they encode may be used in the prevention, treatment and diagnosts of diseases associated with inappropriate secretory protein/membrane protein expression. The nucleic acids and complementary sequences may also be used as DNA probes in diagnostic assays (e.g. polymerase chain reactions (PCR)) to detect and quantitate the presence of similar nucleic acid sequences in samples. They may also be used to study the expression and function of secretory proteins/membrane polypeptides and their role in metabolism. The polypeptides may be used
                                                                                                                                                                                       which encode human secretory or membrane proteins represented by AAB88317 - AAB88419. Included in the invention are primers AAF94295 and AAF62232 - AAF62235 which are used to isolate the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; secretory protein; membrane protein; vaccine; gene therapy; rheumatoid arthritis; diabetes; PCR primer; ss.
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11-JAN-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Primer specific for DNA encoding secretory/membrane protein SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAF94044 standard; DNA; 591 BP
                                                                                                                                                                                                                                                                      Claim
                                                                                                                                                                                                                                                                                                gene therapy or as candidate target molecules in
                                                                                                                                                                                                                                                                                                                  Nucleic acids encoding secretory proteins/membrane
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                                                                                                                                                                                                                                                                                                                                                                                                           (HELI-) HELIX RES INST.
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                                                                                                                                                                                                                                                                                                                                                                              Isogai T, Nishikawa
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2000JP-0183766.
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                                                                                                                                                                                                                                                                                                     development -
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RESULT 17
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ID ABT032
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Best Local Similarity
                       13-NOV-2001; 2001WO-US45395.
                                                                   23-MAY-2002
                                                                                                         WO200239885-A2
                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                     cytostatic; gene;
                                                                                                                                                                                                                                            Human ovarian carcinoma associated coding sequence SEQ ID NO:
                                                                                                                                                                                                                                                                                         05-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                   ABT03279 standard; cDNA; 1362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         as antigens in the production of antibodies against them and in assays to identify modulators (agonists and antagonists) of expression and activity. The antibodies and antagonists may also be used as therapeutic agents to down regulate expression and activity. The antibodies may also be used as diagnostic agents for detecting the presence of the polypeptides in samples (e.g. by enzyme linked immunosorbant assay (ELISA). Examples of diseases which may be treated include rheumatoid arthritis and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 591 BP; 108 A; 198 C; 173 G; 109 T; 3 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CTCTGCCGGGTACCAGTCCTTCTGCTCCCCA 543
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                                                                                                                                                                                                           ovarian cancer;
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                                                                                                                                                                                                      ovarian carcinoma;
                                                                                                                                                                                                                                                                                                                                                                     ВP
                                                                                                                                                                                                      gene therapy;
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Best Local
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03-APR-2001;
02-OCT-2001;
                                                         ABL40347;
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                   28-JUN-2002
                                                                                                 ABL40347
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                                                                                               standard;
              (first entry)
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1424 CACCCGCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACGGAGCTGAG
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                     1604 TACGGCCAATGTCACAACAATCAGCC 1629
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1184 GTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCT 1243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 2; Page 193; 197pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 1362 BP; 263 A; 435 C; 362 G; 302 T; 0
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TACGGCCAATGTCACAACAATCAGCC
                                                                                                        CCAGTCGTGCTTGGGCTTTGGCCGCAGCCATGATCCTCCGAATCTGGGTTGGGCATCCAGCA 1603
                                                                                                                                                                                                     GTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGT
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                                                                                   CCAGTCGTGCTTGGGCTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCA
                                                                                                                                                                             GTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGT
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; 2001US-0825294.
; 2001US-0970966.
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Pred. No. 7.8e-194;
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Ovarian carcinoma GPR39 cDNA.

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Best Local :
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15-AUG-2000;
07-SEP-2000;
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(STOL/)
(ALGA/)
                                                                                            1184
                                                                                                                                                                                                                                                                                              ability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and preparing ribozyme molecules or inhibiting expression of tumour polypeptides in tumour cells. Polypeptides and polynucleotides of the invention are also useful in recombinant DNA molecules to direct expression of a polypeptide in appropriate host cells. The current
1242
                                                            1302
                                                                                                                                        1124 TCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCCTGA 1183
                                                                                                                                                                                                                                                                                                                                                                                          development of a cancer in a patient. They are also useful for stimulating an immune response in a patient, and for treating a cancer a patient and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to ovarian tumour polynucleotides and polypeptides that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim la; Page 123-124; 131pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ovarian tumour polypeptide and prevention and/or treatment of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    03-APR-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-JAN-2002.
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                               1244
                                                                                                                                                                                                                                                   Sequence 1362 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        expanding T-cells specific for a tumour protein, and for inhibiting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Хu J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (FLIN/)
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                                                                                                                                                                                                                                                                                 sequence represents the ovarian carcinoma GPR39 cDNA.
                                                                                                                                                                                                       Local Similarity
              CTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCCGGGACGC 1303
                                                                             GTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCT 1243
                                                                                                                           TCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCCTGA 1303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sapiens
 CTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGGACGC
                                                            GTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCT 1243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2002-171027/22.
                                                                                                                                                                                        506;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         XU J.
) STOLK J A.
) ALGATE P A.
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                                                                                                                                                                                        Conservative
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2000US-0640173.
2000US-0656668.
2000US-0713550.
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1..1362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /*tag=
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                                                                                                                                                                                                                                                   263 A; 435 C; 362 G;
                                                                                                                                                                                    26.7%; Score 506; DB 24; 1 100.0%; Pred. No. 7.8e-194; tive 0; Mismatches 0;
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                                                                                                                                                                                                                                                   302 T; 0 other;
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Query Match Best Local

Similarity

Score 425; Pred. No.

; DB 24; 3.3e-161; T; 0 other;

Length 480;

Sequence 480

BP;

86

A; 154 C; 22.4%;

153 G; 87

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03-APR-2001;
02-OCT-2001;
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                                                                                                                       Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian cancer \frac{1}{2}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1604
                                  The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1424
                                                                                   Claim 2; Page 196; 197pp; English.
                                                                                                                                                                                                     Xu J,
                                                                                                                                                                                                                                                                                                         13-NOV-2001; 2001WO-US45395
                                                                                                                                                                                                                                                                                                                                 23-MAY-2002.
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                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                          cytostatic; gene;
                                                                                                                                                                                                                                                                                                                                                                                                                       Human; ovarian cancer; ovarian carcinoma; gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                             Human ovarian carcinoma associated coding sequence SEQ ID NO: 213.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-SEP-2002
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                         the invention.
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; 2001US-0825294.
; 2001US-0970966.
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15-AUG-2000;
07-SEP-2000;
14-NOV-2000;
Ovarian tumour polypeptide and prevention and/or treatment of
                           WPI; 2002-171027/22
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                                                                       (XUJJ/)
(STOL/)
(ALGA/)
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                                                                                                                                                                                                                                              Ovarian cancer; cancer therapy; vaccine; gene therapy; tumour; cancer;
                                                                                                                                                                                                                                                                   Ovarian carcinoma BE336607 nucleotide sequence.
                                                                                                                                                 10-SEP-1999;
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                                                                     ) XU J.
) STOLK J A.
) ALGATE P A.
                                            Stolk JA,
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                                            Algate
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polynucleotide useful in diagnosis,
cancer, especially ovarian cancer
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AAF94186/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local 9
                           Human; secretory protein; membrane protein;
rheumatoid arthritis; diabetes; PCR primer;
                                                                          Primer specific for DNA encoding secretory/membrane protein SEQ ID
                                                                                                                                                                                 AAF94186
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  22.4%;
99.8%;
                                                                                                                                                                             ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 425; DB 24;
Pred. No. 3.3e-161;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   87 T; 0 other;
                             vaccine;
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                                           gene therapy;
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Best Local
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11-JAN-2000;
02-MAY-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein/membrane protein expression. The nucleic acids and complementary sequences may also be used as DNA probes in diagnostic assays (e.g. polymerase chain reactions (PCR)) to detect and quantitate the presence of similar nucleic acid sequences in samples. They may also be used to study the expression and function of secretory proteins/membrane polypeptides and their role in metabolism. The polypeptides may be used as antigens in the production of antibodies against them and in assays to identify modulators (agonists and antagonists) of expression and activity. The antibodies and antagonists may also be used as therapeutic agents to down regulate expression and activity. The antibodies may also be used as diagnostic agents for detecting the presence of the polypeptides in samples (e.g. by enzyme linked immunosorbant assay (ELISA), Examples of diseases which may be treated include rheumatoid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB88317 - AAB8419. Included in the invention are primers
AAF93917 - AAF94295 and AAF62232 - AAF62235 which are used to isolate to CDNA sequences of the invention. The invention also includes methods for the production of antibodies directed against the proteins, and cDNA sequences, which can be used in vaccines. The polynucleotide sequences can be used in gene therapy. The polynucleotide sequences and the proteins they encode may be used in the prevention, treatment and diagnosis of diseases associated with inappropriate secretory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Nucleic acids encoding secretory proteins/membrane gene therapy or as candidate target molecules in dr
                  1701
                                                                                               1641
                                                                                                                                                                            1581
                                                                                                                                                                                                                                                                                                                     1461 AGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGGAGGAGGAGGATCATG 1520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This invention relates to nucleic acid sequences AAF93744 - AAF93916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 5; SEQ ID 620; 609pp + CD ROM; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-093989/11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (HELI-) HELIX RES INST.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 587 BP; 117 A; 162 C; 140 G; 162 T; 6 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    arthritis and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      which encode human secretory or membrane proteins represented
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EP1067182-A2
                                                                                                                                       297
                                                                                                                                                                                                                      357
                                                                                                                                                                                                                                                                                                     417
                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
AAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCCTACTGGCCAGGAAATGGTACCAATT 1760
                                                                                                                                                                                                                                                           TACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGGTTTGGCCGCAGCCATGATCCTC 1580
                                                                                             CGAGCAGGAGGAGAGACAGAAAAAGAAAACACAGCATGAGAACACAGTAAATGAATA 1700
                                                                                                                                                                            CGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACA 1640
                                                          CGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACA
                                                                                                                                                                                                                      TACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTTGGCCGCAGCCATGATCCTC 298
                                                                                                                                                                                                                                                                                                   AGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATG 358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Isogai T, Nishikawa
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2000JP-0183766
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                                                                                                                                                                                                                                                                                                                                                                                                Score 366; DB 22;
Pred. No. 1.7e-137;
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                                                                                                                                                                                                                                                                                                                                                                                Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                     DB 22; Length 587;
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RESULT 22
AAH50766/c
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                                                            1654
                                                                                                                                                                                                                                                                                                       1534
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel nucleic acid molecules differentially expressed in brain cancers, useful for ascertaining propensity of cell for malignant phenotype or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17-NOV-1999;
17-NOV-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; cancer specific gene expression; gene therapy; age related differential expression; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAH50766;
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                                                                                                                                                                                                                                                                                                                                                                                                                             1474 CCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGT 1533
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 444 BP; 95 A; 113 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            present sequence is a cancer-associated cDNA of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention provides the sequences of 184 cDNA fragments which are differentially expressed in cancer cell depending on the age of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 28; Page 50; 82pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ascertaining suitability of anti-neoplastic drug
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-355647/37
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                            GAGACAGAGAAAAGAAAACACAGCATGAGAACACAGTAAATGAATAAAACCATAAAATA 1713
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GCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGGA 1653
                                                                                                                                                                                                                                                                              AGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGG
                                                                                                                                                                                                                                                                                                                                                                 CAAACCCGGGGGAGTTGGCTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGT 1
                                                                                                                     GCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGGA
                                                                                                                                                                                                                                              AGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCTCCGAATCTGGTTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          414;
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99.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
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RESULT 23
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                                                                                                                        Best Loc
Matches
                                                                                                                                                Query Match
                                                                                                                                                                                         These can be used in the diagnosis, treatment and prevention of ovarian cancer, optionally by gene therapy or in the form of a vaccine. The present sequence is an example of one of these sequences.
                                                                                                                                                                                                                                                                  Claim 5; Page 119; 189pp; English.
                                                                                                                                                                                                                                                                                                    Isolated polypeptides associated with ovarian carcinomas, nucleic acids that encode them, useful for the prevention
                                                                                                                                                                                                                                                                                                                                                                                                            10-SEP-199; 99US-0394374.
01-MAY-2000; 2000US-0561778.
15-AUG-2000; 2000US-0640173.
07-SEP-2000; 2000US-0656668.
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                                                                                                                                                                                                                                                                                                                                                                                        (CORI-) CORIXA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human ovarian cancer associated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1834
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1774
                                                                                                                                                                                                                                                                                           treatment of ovarian cancers -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          08-SEP-2000; 2000WO-US24827
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     394
                                                                                 274 CATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTG 333
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                                                                          G
                                                                                                                                     Local
                                                                                                                                                                                                                             present invention provides a number of coding sequences and proteins, over-expression of which is associated with ovarian carcinoma/cancer.
TTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGAT
                      CTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCCGAGTTCATTGTGAA 393
                                                                       CATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTG
                                                                                                                                                                                                                                                                                                                                           2001-211395/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAATTTTTCAGTGTTGGA 1773
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CTTGACAGCTTCTTTTGCCACAAGCAAGAGAGAATTTAACACTGTTTCAAACCCGGGGGA
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                                                                                                                          316;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ovarian
                                                                                                                                                                                                                                                                                                                                                                 Stolk JA;
                                                                                                                                  Similarity
                                                                                                                                                                    396 BP; 90 A; 117 C; 95 G; 92 T; 2 other;
                                                                                                                     16.7%; Score 316; DE flarity 100.0%; Pred. No. 2.3 Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cancer; vaccine; gene therapy; carcinoma;
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                                                                                                                                 Score 316; DB 22; Pred. No. 2.3e-117;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              coding sequence SEQ ID NO:
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diagnosis
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δδ qq

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394 TTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGAT 453

CTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAA

124

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ABT03085
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                                                                                        Matches
                                                                                                               Query Match
                                                                                                                                                                               The present invention and coding sequences. treatment of ovarian
                                                                                                                                                                   of the invention.
                                                                                                                                                                                                                                                                  Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovar:
                                                                                                                                                                                                                                                                                                                                                  Xu J,
                                                                                                                                                                                                                                                                                                                                                                                                  14-NOV-2000; 2000US-0713550
03-APR-2001; 2001US-0825294
02-OCT-2001; 2001US-0970966
                                                                                                                                          Sequence 396 BP;
                                                                                                                                                                                                                               Example 1; Page 116; 197pp; English.
                                                                                                                                                                                                                                                                                                                         WPI; 2002-500186/53.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; ovarian cancer; ovarian carcinoma; gene therapy; immunotherapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human ovarian carcinoma associated coding sequence SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        05-SEP-2002 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                           (CORI-) CORIXA CORP.
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334 CTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGGAGTTCATTGTGAA 393
                                                274 CATCGCGGCAACTTITTGCGGATTGTTCTTGCTTCCAGGCTTTTGCGCTGCAAATCCAGTG
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                                                                                                      Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCT
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                                                                                        316;
                                                                                                                                                                                                                                                                                                                                               Stolk JA, Algate PA,
                                                                                                                                                                        invention provides human ovarian cancer associated proteins sequences. The sequences can be used in the diagnosis and f ovarian cancers. The present sequence is a coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gene;
                                                                                        Conservative
                                                                                                                                         90 A; 117 C; 95 G;
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                                                                                        Mismatches
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RESULT 25
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The invention relates to ovarian tumour polynucleotides and polypeptides CC that may be utilised in cancer therapy, for example in a vaccine or CC gene therapy. Polypeptides and polynucleotides of the invention are CC useful for detecting a cancer in a patient, for stimulating and/or CC expanding T-cells specific for a tumour protein, and for inhibiting the CC development of a cancer in a patient. They are also useful for CC stimulating an immune response in a patient, and for treating a cancer in CC a patient and for determining the presence of a cancer in a patient. CC The isolated polynucleotides of the invention are useful for their CC ability to selectively form duplex molecules with complementary stretches CC of the entire desired gene or gene fragments, and for designing and CC preparing ribozyme molecules for inhibiting expression of tumour CC preparing ribozyme molecules for inhibiting expression of the conjugentions and polynucleotides of the invention are also useful in recombinant DNA molecules to direct CC expression of a polypeptide in appropriate host cells. The sequences CC given in records ABL48760-ABL48956 represent polynucleotides encoding
                                                                                                                                                                                                                                                                                                                                                                                                             (XUJJ/)
(STOL/)
(ALGA/)
(FLIN/)
                                                                                                                                                                                                                                                                                                      Ovarian tumour polypeptide and prevention and/or treatment of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ovarian
                                                                                                                                                                                                                                                                       Claim la; Page 41-42; 131pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    03-APR-2001; 2001US-0825294
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) ALGATE P A.
) FLING S P.
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2000US-0640173.
2000US-0656668.
2000US-0713550.
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                                                                                                                                                                                                                                                                                                                                                                                Fling
                                                                                                                                                                                                                                                                                                    polynucleotide useful in diagnosis, cancer, especially ovarian cancer
                                                                                                                                                                                                                                                                                                                                                                                 SP;
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RESULT 26
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Best Local :
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01-MAY-2000;
15-AUG-2000;
07-SEP-2000;
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                                                                                                                                Xu J,
                                                                treatment of ovarian
                                                                        Isolated polypeptides associated with ovarian carcinomas, nucleic acids that encode them, useful for the prevention
                                                                                                           WPI; 2001-211395/21.
                                                                                                                                                                                                                               08-SEP-2000;
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                                                                                                                                                                                                                                                                          WO200118046-A2
                                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                 Human, ovarian
                                                                                                                                                                                                                                                                                                                                        Human ovarian cancer associated coding sequence SEQ ID NO: 199
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                                                                                                                                Stolk JA;
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2000US-0561778.
2000US-0640173.
2000US-0656668.
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                                                                                                                                                                                                                               2000WO-US24827
                                                                                                                                                                                                                                                                                                                   cancer; vaccine; gene therapy; carcinoma;
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Pred. No.
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The present invention provides a number of coding sequences and proteins, the over-expression of which is associated with ovarian carcinoma/cancer.

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the diagnosis,

Claim 18; Page 189; 189pp; English

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RESULT 27
ABT03274
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Best Local
                                                  Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian
                     Example
                                                                                                       WPI; 2002-500186/53.
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                                                                                                                                                                           14-NOV-2000; 2000US-0713550.
03-APR-2001; 2001US-0825294.
02-OCT-2001; 2001US-0970966.
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                                                                                                                                                                                                                                                                                                                           cytostatic; gene;
                                                                                                                                                                                                                                                                                                                                     Human; ovarian cancer; ovarian carcinoma;
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                                                                                                                                                                                                                                                                                                                                                                                                              ABT03274;
                                                                                                                                                                                                                                                                                                                                                                                                                                ABT03274 standard; cDNA;
                                                                                                                                                    (CORI-) CORIXA CORP.
                                                                                                                                                                                                                           13-NOV-2001; 2001WO-US45395.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 369 BP; 82 A; 109 C; 90 G; 86 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cancer, optionally by gene therapy or in the form of a vaccine present sequence is an example of one of these sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    270
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                                                                                                                           Stolk JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
                  1; Page 187; 197pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16.6%; Score 315; DB 22; Length 369; ilarity 100.0%; Pred. No. 5.7e-117; Conservative 0; Mismatches 0; Indels
                                                                                                                            Algate
                                                                                                                           PΑ,
                                                                                                                                                                                                                                                                                                                                                                                                                                    369
                                                                                                                          Fling SP,
                                                                                                                           Molesh DA;
                                                                                                                                                                                                                                                                                                                                   gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 other;
                                                     treating ovarian
                                                                                                                                                                                                                                                                                                                                   immunotherapy;
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The present invention

provides human

ovarian

cancer

associated

proteins

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RESULT 28
ABL48956
ID ABL48
XX ABL48
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A Ol-SE
PR 10-SE
PR 10-SE
PR 11-SE
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PR 14-NC
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Best Local
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                                                                                                                                                                                               (XUJJ/) XU J.
(STOL/) STOLK J A.
(ALGA/) ALGATE P A.
(FLIN/) FLING S P.
                                                                                                                                                                                                                                                                                                                                  10-SEP-1999; 99US-0394374
01-MAY-2000; 2000US-0551778
15-AUG-2000; 2000US-0640173
07-SEP-2000; 2000US-0656668
14-NOV-2000; 2000US-0713550
Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer
                                                                                        WPI; 2002-171027/22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 03-APR-2001; 2001US-0825294.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ovarian cancer; cancer therapy; vaccine; gene therapy; tumour; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ovarian carcinoma sequence isolate 57887.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABL48956;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US2002004491-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18-JUN-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABL48956 standard; cDNA; 369 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 369 BP; 82 A; 109 C; 90 G; 86 T; 2 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               330
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GTCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTT
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                                                                                                                                        Stolk JA,
                                                                                                                                           Algate
                                                                                                                                           PA,
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Best Local S
Matches 315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   development of a cancer in a patient. They are also useful for stimulating an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their ability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and preparing ribozyme molecules for inhibiting expression of tumour polypeptides in tumour cells. Polypeptides and polynucleotides of the invention are also useful in recombinant DNA molecules to direct expression of a polypeptide in appropriate host cells. The sequences given in records ABL48760-ABL48956 represent polynucleotides encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to ovarian tumour polynucleotides and polypeptides that may be utilised in cancer therrapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or the useful for detecting a cancer in a patient, for stimulating and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ovarian carcinoma proteins.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim la; Page 116; 131pp; English.
                                                                                                                                                                                                                                                                                                                                                          ABL78538 standard; cDNA; 373 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             expanding T-cells specific for a tumour protein, and for inhibiting the
26-MAY-2000; 2000US-207484P
                                     29-MAY-2001; 2001WO-US17756.
                                                                            06-DEC-2001
                                                                                                                    WO200192581-A2
                                                                                                                                                                                                Human; ovarian cancer; ovarian tumour; cytostatic; gene;
                                                                                                                                                                                                                                        Human ovarian cancer related cDNA clone SEQ ID NO:1516.
                                                                                                                                                                                                                                                                             17-MAY-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               309 CAGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTTCCAGCTGAACAACGACT 368
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16.6%; score 315; DB 24; Length 369; 100.0%; Pred. No. 5.7e-117;
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ABL79431

ABL79431 standard; cDNA; 349 BP

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention describes a composition (I) comprising: carriers CC and immunostimulants; and a polypeptide (II) of a ovarian tumour CC polypeptide encoded by a polypucleotide (II) having a cDNA sequence CC (S1) from the 10912 nucleotide sequences as given in ABL77023 to CC ABL87934, (III) encoding (II) having a sequence (S2), a T cell compulation of (II), or antigen presenting cells that express (II). CC (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to CC (S1) can be used for detecting ovarian cancer in a patient's biological contacting a biological sample from a patient with (IV), detecting the cc amount of polynucleotide hybridising to (IV) and comparing the amount of polynucleotide hybridising to (IV) and comparing the cc apredetermined cutoff value and thereby detecting ovarian cancer in the CC patient, where the amount of polynucleotide hybridising to (IV) is detected preferably by polymerase chain reaction (PCR). (I) comprising CC (III) and/or (II) is useful for stimulating and/or expanding T cells contacting for (III) is useful for stimulating and preparation of cribotines in tumour cells; and to isolate a full length gene from a contable library e.g., a tumour CDNA library using well known
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 315; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing polypeptide
                                                                                                                                                                                                                                                                       1683
                                                                                                 1803 GAGAATTTAACACTGTTTCAAACCCCGGGGGAGTTGGCTGTTAAAGAAAAGACCATTAAA 1862
                                                                                                                                                                                                                                                                                                                                                                                                                             1563 GCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACA 1622
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; SEQ ID 1516; 489pp; English
                                                                                                                                                                        Sequence 373 BP; 83 A; 96 C; 80 G; 114 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2002-122075/16.
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                                      1863 TGCTTTAGACAGTGT 1877
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (CORI-) CORIXA CORP
                                                                                                                                                     135
                                                                                                                                                                                                                                195
15
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                                                                                                                                                                                                                                                   GAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGC 1742
TGCTTTAGACAGTGT
                                                                                                                                                     GAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGC
                                                                                                                                                                                                                                                                                                              ATCAGCCCTGGGCAGACACGAGCAGGAGGGGAGAGACAGAGAAAAGAAAAACACAGCATGA 196
                                                                                                                                                                                                                                                                                                                                                                                      GCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACA 256
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Harlocker SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 315;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5.7e-117;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
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17-MAY-2002

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                                                                                                                                                                                                                                                                                                             Query Match
Best Local S
                                      1750
                                                                                                                                                                                   1630
                                                                                                                                                                                                                                  1570 CCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCCAATGTCACAACAACAACAACACCC 1629
                                                                                                              1690
                                                                                                                                                                                                                                                                                                                                                                Sequence 349 BP; 79 A; 84 C; 78 G; 108 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 1; SEQ ID 2409; 489pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing polypeptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26-MAY-2000; 2000US-207484P
                                                                          190
                                                                                                                                                                                                               310 CCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCC 251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (CORI-) CORIXA CORP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; ovarian cancer; ovarian tumour; cytostatic; gene;
                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                     GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA 1749
                                                                                                                                                                           GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA
                                                                                                                                                                                                                                                                                            Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cancer related cDNA clone SEQ ID NO:2409
                                                                                                                                                                                                                                                                                                         16.2%; Score 307; DB 24; 100.0%; Pred. No. 9.5e-114;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Jones R;
                                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                                                                                                                                                                                                        DB 24; Length 349;
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                                                                                                                                                                            Query Match
Best Local Similarity
Matches 271; Conserv
                                                                                                                                                                                                                                                 The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence
                                                                                                                                                                                                                                                                                                                              Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian cancer \frac{1}{2}
                                                                                                                                                                                                                                                                                                                                                                                                                                          14-NOV-2000; 2000US-0713550.
03-APR-2001; 2001US-0825294.
02-OCT-2001; 2001US-0970966.
                                                                                                                                                                                                                       Sequence 1010 BP; 266 A; 344 C; 254 G; 146 T; 0 other;
                                                                                                                                                                                                                                            of the invention.
                                                                                                                                                                                                                                                                                                 Claim 2; Page 195; 197pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                   Χu J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13-NOV-2001; 2001WO-US45395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 05-SEP-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                       (CORI-) CORIXA CORP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; ovarian cancer; ovarian carcinoma; gene therapy; immunotherapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human ovarian carcinoma associated coding sequence SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABT03282 standard; cDNA; 1010
                  490 TCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTG
                                                                                   10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 70
AGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GACAGTG 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GACAGTG 1876
                                          AGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTG
                                                                                                                                                                                                                                                                                                                                                                                                 Stolk JA, Algate PA,
                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             gene; ss.
                                                                                                                                                                                     14.3%; Score 271; I
100.0%; Pred. No. 2
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                                                                                                                                                                           Mismatches
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                                                                                                                                                                                                 DB 24;
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                                                                                                                                                                                      .5e-99;
                                                                                                                                                                                              Length 1010;
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497
                    549
                                          437
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RESULT 32
ABL40350
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                                                                                                           The invention relates to ovarian tumour polynucleotides and polypeptides CC that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are CC useful for detecting a cancer in a patient, for stimulating and/or ce expanding T-cells specific for a tumour protein, and for inhibiting the CC development of a cancer in a patient. They are also useful for Stimulating an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient.

CC The isolated polynucleotides of the invention are useful for their CC ability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and CC preparing ribozyme molecules for inhibiting expression of tumour cells. Polypeptides and polynucleotides of the CC invention are also useful in recombinant DNA molecules to direct CC expression of a polypeptide in appropriate host cells. The current Sequence represents the ovarian carcinoma BF345141 nucleotide
   Matches 271;
                                                                                                                                                                                                                                                                                                                                                                                                                     Ovarian tumour polypeptide and polynucleotide useful in diagnosis, prevention and/or treatment of cancer, especially ovarian cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15-AUG-2000;
07-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                                                         Claim la; Page 126-127; 131pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Хu J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (ALGA/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ovarian carcinoma BF345141 nucleotide sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28-JUN-2002
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                                                                 Sequence 1010 BP;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14-NOV-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Stolk JA, Algate PA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ) STOLK J A.
) ALGATE P A.
) FLING S P.
   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2000US-0561778.
2000US-0640173.
2000US-0656668.
2000US-0713550.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
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                                                                 266 A; 344 C; 254 G; 146 T; 0 other;
14.3%; Score 271; DB 24; 1100.0%; Pred. No. 2.5e-99; 100.0%; Pred. No. 2.5e-99; 0;
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                                 Length 1010;
   Indels
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310 AGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTG 369

and proteins in tumour cells; and

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            The present invention describes a composition (I) comprising: carriers and immunostimulants; and a polypeptide (II) having a cDNA sequence (S1) from the 10912 nucleotide sequences as given in ABL77023 to ABL87934, (III) encoding (II) having a sequence (S2), a T cell copulation of (II), or antigen presenting cells that express (II). (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to (S1) can be used for detecting ovarian cancer in a patient's biological sample preferably serum or ovarian tissue. The method comprises contacting a biological sample from a patient with (IV), detecting the amount of polynucleotide hybridising to (IV) and comparing the amount to a predetermined cutoff value and thereby detecting ovarian cancer in the cancer in the capatient, where the amount of polynucleotide hybridising to (IV) and comparing the amount of polynucleotide hybridising to (IV) is detected preferably by polymerase chain reaction (PCR). (I) comprising (III) and/or (II) is useful for stimularting and/or expanding T cells specific for an ovarian tumour protein comprising contacting T cells specific for an ovarian tumour protein comprising contacting T cells cand contact the protein contacting to the tumour polypeptides in the protein contacting to the tumour polypeptides and the protein contacting to the protein contacting the protein contacting to the protein contacting the protein contacting the protein contacting the protein contacting to the protein contacting the protein contacti
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Composition
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 1; SEQ ID 4240; 489pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             490
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CATCAGCTGCTACACCCCCTCTTTGTAAC 528
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  for therapy and diagnosis of ovarian cancer comprising of a ovarian tumor polypeptide, polynucleotide encoding , antibody specific to polypeptide or T cell expressing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
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  to isolate a full length
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ABL85916/c
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The present invention describes a composition (I) comprising: carriers and immunostimulants; and a polypeptide (II) of a ovarian tumour polypeptide encoded by a polypucleotide (III) having a cDNA sequence (S1) from the 10912 nucleotide sequences as given in ABL77023 to
                                                                                      Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing polypeptide .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1563 GCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACA 1622
                                                                                                                                                                                                                                                                                                                                                                                               17-MAY-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1863
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 409 BP; 89 A; 106 C; 87 G; 127 T; 0 other;
                                                              Claim 1;
                                                                                                                                                                                                                                                                                                  WO200192581-A2
                                                                                                                                                                                                                                                                                                                                                                        Human ovarian cancer related cDNA clone SEQ ID NO:8894.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABL85916 standard; cDNA; 201 BP
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                                                                                                                                                                                                                         26-MAY-2000; 2000US-207484P
                                                                                                                                                                                                                                                 29-MAY-2001; 2001WO-US17756.
                                                                                                                                                                                                                                                                                                                                                                                                                         ABL85916;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            suitable library
                                                                                                                                                                                                 (CORI-) CORIXA CORP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GAGAATTTAACACTGTTTCAAACCCGGGGGAGTTGGCTGTGTTTAAAGAAGACCCATTAAA 1862
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGC 1742
                                                                                                                                                2002-122075/16.
                                                                                                                                                                                                                                                                                                                         sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TGCTTTAGACAGTGT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TGCTTTAGACAGTGT 1877
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GAACACAGTAAATAAAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        314;
                                                                                                                                                                                                                                                                                                                                                 ovarian
                                                            SEQ ID 8894; 489pp; English
                                                                                                                                                                        Harlocker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                 cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            e.g.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13.9%;
                                                                                                                                                                        SL,
                                                                                                                                                                                                                                                                                                                                               ovarian tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            a tumour cDNA library using well known
                                                                                                                                                                        Jones
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0
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Pred. No. 1.8e-96;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                cytostatic; gene;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 24; Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABL87934, (III) encoding (II) having a sequence (S2), a T cell
Coppulation of (II), or antigen presenting cells that express (II).
C(I) has cytostatic activity. An oligonucleotide (IV) that hybridises to (S1) can be used for detecting ovarian cancer in a patient's biological contacting a biological sample preferably serum or ovarian tissue. The method comprises emount to polynucleotide hybridising to (IV) and comparing the amount to polynucleotide hybridising to (IV) and comparing the amount to patient, where the amount of polynucleotide hybridising to (IV) is detected preferably by polymerase chain reaction (PCR). (I) comprising CC (III) and/or (II) is useful for stimulating and/or expanding T cells copific for an ovarian tumour protein comprising contacting T cells compression of cribozyme molecules for inhibiting expression of the tumour polypeptides cand proteins in tumour cells; and to isolate a full length gene from a contactine of co
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local
                                                                                                          Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1501 AGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTT 1560
                                          Claim 1; SEQ ID 1532;
                                                                                                                                                                                                           WPI; 2002-122075/16.
                                                                                                                                                                                                                                                        Algate PA, Harlocker
                                                                                                                                                                                                                                                                                                                                                      26-MAY-2000; 2000US-207484P
                                                                                                                                                                                                                                                                                                                                                                                                                                                     06-DEC-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; ovarian cancer; ovarian tumour; cytostatic; gene;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human ovarian cancer related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17-MAY-2002 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1621 CAATCAGCCCTGGGCAGACACGAGCAGGAGGGGAGAGACAGAGAAAA 1666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 201 BP;
                                                                                                                                                                                                                                                                                                       (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                   29-MAY-2001; 2001WO-US17756
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             166;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTT 122
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cDNA; 390
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                                                                                                                                                                                                                                                        SL,
                                     489pp;
                                                                                                                                                                                                                                                        Jones R;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 166;
Pred. No.
                                          English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cDNA clone SEQ ID NO:1532.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ВP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 24;
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invention

describes a composition (I) comprising: carriers

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CC ABLE7934, (III) encoding (II) having a sequence (S2), a T cell (C) population of (II), or antigen presenting cells that express (II). CC (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to (S1) can be used for detecting ovarian cancer in a patient's biological sample preferably serum or ovarian tissue. The method comprises (C) contacting a biological sample from a patient with (IV), detecting the amount of polynucleotide hybridising to (IV) and comparing the amount to a predetermined cutoff value and thereby detecting ovarian cancer in the CC a predetermined cutoff value and thereby detecting ovarian cancer in the CC aptient, where the amount of polynucleotide hybridising to (IV) is detected preferably by polymerase chain reaction (PCR). (I) comprising (III) and/or (II) is useful for stimulating and/or expanding T cells (III) or (II). (III) is useful in design and preparation of comprising contacting T cells (III) or (II). (III) is useful in design and preparation of comprising contacting T cells (III) or (III). (III) is useful in design and preparation of the tumour polypeptides and proteins in tumour cells; and to isolate a full length gene from a contacting suitable library e.g., a tumour CDNA library using well known
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
                     Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing polypeptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      and immunostimulants; and a polypeptide (II) of a ovarian tumour polypeptide encoded by a polynucleotide (III) having a cDNA sequence polypeptide encoded by a polynucleotide (III) having a cDNA sequence [S1] from the 10912 nucleotide sequences as given in ABL77023 to
                                                                                                                                                              Algate PA,
                                                                                                                                                                                                                                             26-MAY-2000; 2000US-207484P
                                                                                                                                                                                                                                                                                                                               06-DEC-2001
                                                                                                                                                                                                                                                                                                                                                                      WO200192581-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; ovarian cancer; ovarian tumour; cytostatic; gene; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human ovarian cancer related cDNA clone SEQ ID NO:7826
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17-MAY-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABL84848 standard; cDNA; 381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1756 CAATTTTTCAGTGTTGGACTTGACAGCTTCTTTT 1789
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 390 BP; 121 A; 82 C;
                                                                                                                                                                                                                                                                                     29-MAY-2001; 2001WO-US17756
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABL84848
                                                                                                                                                                                                     (CORI-) CORIXA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      147
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTAC
                                                                                                                        2002-122075/16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AGACACGAGCAGGAGGAGAGAGAGAAAAAGAAAAACACAGCATGAGAACACAGTAAAAT 206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CAATTTTTCAGTGTTGGACTTGACAGCTTCTTTT 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    154;
                                                                                                                                                              Harlocker SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8.1%;
                                                                                                                                                                 Jones
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 154; DB 24;
Pred. No. 3.1e-52;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99 G; 86 T; 2 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 24; Length 390;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0;
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RESULT 37
ABL81273
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention describes a composition (I) comprising: carriers CC and immunostimulants; and a polypeptide (II) of a ovarian tumour CC polypeptide encoded by a polypucleotide (II) having a cDNA sequence CC (S1) from the 10912 nucleotide sequences as given in ABL77023 to CC ABL87934, (III) encoding (II) having a sequence (S2), a T cell coppulation of (II), or antigen presenting cells that express (II). CC (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to CC (S1) can be used for detecting ovarian cancer in a patient's biological contacting a biological sample from a patient with (IV), detecting the contacting a biological sample from a patient with (IV), detecting the camount of polypucleotide hybridising to (IV) and comparing the amount to patient, where the amount of polypucleotide hybridising to (IV) is CC detected preferably by polymerase chain reaction (PCR). (I) comprising CC (III) and/or (II) is useful for stimulating and/or expanding T cells comparing molecules for inhibiting expression of the tumour polypeptides CC with (III) or (II). (III) is useful of solate a full length gene from a CC suitable library e.g., a tumour cDNA library using well known
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                Human ovarian cancer related cDNA clone SEQ ID NO:4251.
                                                                                                                                                                                                                                                                                                                                                                                17-MAY-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                               ABL81273 standard; cDNA; 430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1358 TACGC 1362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 1; SEQ ID 7826; 489pp; English.
                                              WPI; 2002-122075/16.
                                                                                                                                               26-MAY-2000; 2000US-207484P
                                                                                                                                                                                29-MAY-2001; 2001WO-US17756
                                                                                                                                                                                                                                                WO200192581-A2
                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                                                                                                                 Human; ovarian
                                                                                                                                                                                                                                                                                                                                                                                                                  ABL81273;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1298 GGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATG 1357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1238 CTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCG 1297
                                                                                                              (CORI-) CORIXA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   techniques.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  236 TACGC 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  176 GGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    al Similarity
125; Conserva
                                                                               Harlocker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ВP;
                                                                                                                                                                                                                                                                                                                cancer; ovarian tumour; cytostatic; gene;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    85 A; 101 C; 122 G; 73 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6.6%;
                                                                               Jones
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 125; DB 24; Pred. No. 1.4e-40;
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hes 0;
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Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding

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RESULT 38
ABL79397
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CC and immunostimulants; and a polypeptide (II) of a ovarian tumour conversation (II) from the 10912 nucleotide sequences as given in ABL77023 to CC (S1) from the 10912 nucleotide sequence (S2), a T cell (CC (ABL87934, (III) encoding (II) having a sequence (S2), a T cell (CC (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to CC (S1) can be used for detecting ovarian cancer in a patient's biological CC sample preferably serum or ovarian tissue. The method comprises (CC contacting a biological sample from a patient with (IV), detecting the CC ambut of polynucleotide hybridising to (IV) and comparing the amount to can be used for detecting to (IV) and comparing the amount to Epatient, where the amount of polynucleotide hybridising to (IV) is detected preferably by polymerase chain reaction (PCR). (I) cancer in the CC aptected preferably by polymerase chain reaction (PCR). (I) comprising CC (III) is useful for stimulating and/or expanding T cells specific for an ovarian tumour protein comprising contacting T cells (III) or (II) (III) is useful in design and preparation of CC sultable library e.g., a tumour CDNA library using well known cc sultable library e.g., a tumour CDNA library using well known
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local S
Matches 120
Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing
                                                                                                            Algate PA, Harlocker SL,
                                                                                                                                                                                26-MAY-2000; 2000US-207484P
                                                                                                                                                                                                                 29-MAY-2001; 2001WO-US17756
                                                                                                                                                                                                                                                                                      WO200192581-A2
                                                                                                                                                                                                                                                                                                                       Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                     Human; ovarian cancer; ovarian tumour; cytostatic; gene; ss
                                                                                                                                                                                                                                                                                                                                                                                         Human ovarian cancer related cDNA clone SEQ ID NO:2375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABL79397;
                                                                                                                                                                                                                                                                                                                                                                                                                          17-MAY-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABL79397 standard; cDNA; 558
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 430 BP; 92 A; 121 C; 108 G; 109 T; 0 other;
                                                                                                                                               (CORI-) CORIXA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 1; SEQ ID 4251; 489pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               polypeptide,
polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      present invention describes a composition (I) comprising: carriers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              antibody specific to polypeptide or T cell expressing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6.38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 120; DB 24;
; Pred. No. 1.4e-38;
0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 430;
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RESULT 39
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1408 ACAGCACCTGCACGAACACCCGGCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGT 1467
                                                              WPI; 2002-257383/30.
                                                                                                                                                                                                 28-JUL-2000; 2000US-221607P.
02-MAY-2001; 2001US-287724P.
                                                                                                                                                                                                                                                                                                                  07-FEB-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15-JUL-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABN41977;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABN41977 standard; DNA; 60
                                                                                                          Shoshan A,
                                                                                                                                                                                                                                                                                                                                                                WO200210449-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                       splice variant;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human spliced transcript detection oligonucleotide SEQ ID NO:14725.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 558 BP; 147 A; 133 C; 166 G; 106 T; 6 other;
                                                                                                                                                        (COMP-) COMPUGEN INC.
                                                                                                                                                                                                                                                                       20-JUL-2001; 2001WO-IB01903
                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 techniques.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention describes a composition (I) comprising: carriers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; SEQ ID 2375; 489pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            polypeptide -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               134 ACAGCACCTGCACGAACACCCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGT 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Sir
hes 120;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCC 1527
                                                                                                                                                                                                                                                                                                                                                                                                                                                   mouse; rat; splice transcript; detection; RNA transcript; variant; transcriptome; oligonucleotide library; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                          Wasserman A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6.3%;
                                                                                                          Mintz
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 120; DB 24; Length 558; Pred. No. 1.4e-38;
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                                                                                                          Mintz
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                                                                                                     Faigler
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
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New oligonucleotide libraries comprising oligonucleotides which selectively hybridize to mRNAs transcribed from a transcription

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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          quantitatively characterising the corresponding transcriptome, and in detecting RNA transcripts and splice variants of human or animal transcriptomes. The libraries may also be used as specialised mini libraries to detect transcripts of a sub-transcriptome under a particular biological or pathological state, and so allowing the detection of tissue- and pathology-specific genes such as those genes only expressed in specific tissue under a specific pathological condition; to detect developmental specific genes; and to detect RNA transcripts and splice variants of a transcriptome of a pattient suffering from a particular disorder. ABN27253 to ABN39589 represent oligonucleotide sequences from rats, humans and mice, which are used in the exemplification of the present invention.

N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        messenger RNAs that populate a (sub-)transcriptome, where the (sub-)transcriptome comprises messenger RNAs transcribed from multiple transcription units that populate a genome. The library comprises
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1143 AAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCG 1202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                the genome, which encodes one or more messenger RNA splice variants. The oligonucleotide libraries are useful for detecting mRNAs from a biological sample, in expression profiling studies, in qualitatively or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               developmental-specific genes
Novel nucleic acid, used as a marker to determine the effectiveness
                                     WPI; 2001-602933/68
                                                                           Lillie J,
                                                                                                                                                   14-APR-2000; 2000US-197538P
                                                                                                                                                                                                                                                                                                                                                                                 Human; cancer cell marker; TAXOL; cytostatic; tumour; carcinoma; squamous cell carcinoma; sarcoma; fibrosarcoma; leukaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                             Human cancer agent-sensitive marker #326
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAS60824 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 60 BP; 17 A; 17 C; 15 G; 11 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        several oligonucleotides, each capable of hybridising selectively to set of messenger RNAs transcribed from a given transcription unit of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention describes oligonucleotide libraries for detecting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 1; SEQ ID 14725; 47pp; English
                                                                                                                                                                                        13-APR-2001; 2001WO-US12132
                                                                                                                                                                                                                                25-OCT-2001
                                                                                                                                                                                                                                                                    WO200179556-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              29-JAN-2002 (first entry)
                                                                                                             (MILL-) MILLENNIUM PREDICTIVE
                                                                                                                                                                                                                                                                                                          Homo sapiens.
                                                                                                                                                                                                                                                                                                                                               Hodgkin's disease;
                                                                                                                                                                                                                                                                                                                                                                 lymphocytic leukaemia; lymphoma; plasmocytoma; reticulum cell sarcoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 genome, useful for detecting tissue-, pathology-, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               60;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                         Brown JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                               glioma; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CDNA; 1368 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%;
                                                                       Bolt A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 60;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No.
                                                                                                               MEDICINE INC
                                                                           Van Huffel C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2.4e-14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 60;
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RESULT 41
AAL33984/c
ID AAL33984 standard; DNA; 50
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              developing treatments for cancer, particularly those cancers which display resistance to agents and exhibit expression of the markers. The anticancer agents developed by the novel method can be used to treat cancer. Probes based on the markers can be used to detect transcripts genomic sequences corresponding to the markers, in the identification cells or tissues which mis-express the protein. Cancers which may be targeted include carcinoma (e.g. squamous cell carcinoma), sarcoma (e.g. fibrosarcoma) leukaemia (e.g. lymphocytic leukaemia), lymphoma, plasmocytoma, reticulum cell sarcoma, Hodgkin's disease and tumours (e.g. glioma). The present sequence is one of the 1046
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    they are shown to express one of the 242 sensitivity markers or toells are shown not to express one of the 804 resistance markers. The methods can be used to determine the effectiveness of TAXOL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to 1046 novel nucleic acids which are used as markers for determining the sensitivity of a cancer cell to the anticancer agent TAXOL. Cancer cells can be treated with TAXOL when they are shown to express one of the 242 sensitivity markers or the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1871 ACAGTGTAAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          in the treatment of cancer cell growth in an individual. The markers can be used as targets in developing anti-cancer agents such as chemotherapeutic compounds. The markers can also be used as targets in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 1; Page 339-340; 527pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             using TAXOL to treat cancer cell growth in individuals
                                    WPI; 2001-465210/50.
                                                                                                                                                    27-DEC-2000; 2000US-0173419
                                                                                                                                                                                                              28-DEC-2000; 2000WO-US35498
                                                                                                                                                                                                                                                                                                                                                                                    complement related protein; cytochrome; kinesin; cytokine; interferon; interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                           Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antimicrobial; gene therapy; vaccine; amylase; cancer; amyloid protein; angiopoietin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating facto.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human SNP oligonucleotide #7192.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAL33984;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 1368 BP; 517 A; 312 C; 321 G; 213 T; 5 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    novel cancer cell markers.
                                                                          Shimkets RA,
                                                                                                                                                                      28-DEC-1999;
                                                                                                                                                                                                                                                    05-JUL-2001.
                                                                                                                                                                                                                                                                                          WO200147944-A2
                                                                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24-JAN-2002
                                                                                                            (CURA-) CURAGEN CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         459 ACAGTGTAAAAAAAAAAAAAAAAAAAAAAAA 485
                                                                                                                                                                                                                                                                                                                                                                  system disease; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                          Leach M;
                                                                                                                                                                        99US-0173419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 27; ; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                   factor;
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Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local
                        Polymorphic nucleic acids encoding e.g. amylases, oncogenes and histones, useful for diagnosing and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              proteins, cytochromes, kinesins, cytokines, interferons, interfeukins, c-protein coupled receptors and thioesterases. The present sequence is one such oligonucleotide. The oligonucleotides and the peptides encoded by them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the proteins listed above. Disorders that may be prevented, diagnosed and/or treated include multifactorial diseases with a genetic component, such as autolimmune diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes, systemic lupus erythromatosus and Grave's disease), inflammation, cancer (e.g. cancers of the bladder, brain, breast, colon and kidney, leukaemia), diseases of the nervous system and an infection of pathogenic organisms.
           cancer, autoimmune diseases and infections
                                                                                 WPI; 2001-465210/50.
                                                                                                                   Shimkets RA,
                                                                                                                                                      (CURA-) CURAGEN CORP.
                                                                                                                                                                                28-DEC-1999; 99US-0173419.
27-DEC-2000; 2000US-0173419.
                                                                                                                                                                                                                                          28-DEC-2000; 2000WO-US35498.
                                                                                                                                                                                                                                                                                 05-JUL-2001
                                                                                                                                                                                                                                                                                                                    WO200147944-A2
                                                                                                                                                                                                                                                                                                                                                    Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                    Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antinicrobial; gene therapy; vaccine; amylase; cancer; amylold protein; angiopotetin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor; complement related protein; cytochrome; kinesin; cytokine; interferon; interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAL33985;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1212 GACTGGGACTTAGACTGGGGCTCGGC 1237
                                                                                                                                                                                                                                                                                                                                                                                     nervous system disease; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human SNP oligonucleotide #7193.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAL33985 standard; DNA; 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, histones, kinases, colony stimulating factors, complement related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention relates to oligonucleotides encoding polymorphic variants of proteins related to amylases, amyloid proteins, angiopoiet
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         oncogenes and histones, useful for diagnosing and treating, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cancer, autoimmune diseases and infections -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            50 GACTGGGACTTAGACTGGGGCTCGGC 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Page 3450; 4143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BP; 11 A; 16 C; 10 G; 13 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                   Leach M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 22; Length 50;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0;
                          cyclins, polymerases, treating, e.g.
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                      e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           proteins, cytochromes, kinesins, cytokines, interferons, interleukins, 6-protein coupled receptors and thioesterases. The present sequence is one such oligonucleotide. The oligonucleotides and the peptides encoded by them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the proteins listed above. Disorders that may be prevented, diagnosed and/or treated include multifactorial diseases with a genetic component, such as autoimmune diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes, systemic lupus erythromatosus and Grave's disease), inflammation, cancer (e.g. cancers of the bladder, brain, breast, colon and kidney, leakemila), diseases of the nervous system and an infection of pathogenic
                                                                        Polymorphic nucleic acids encoding e.g. amylases, cyclins, oncogenes and histones, useful for diagnosing and treating,
                                                                                                                                                                    Shimkets RA, Leach
                                                                                                                                                                                                                                                                                                                                                                                                                                               interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1563 GCCGCAGCCATGATCCTCCGAATCTG 1588
                                                             cancer, autoimmune diseases and infections
                                                                                                                                    WPI; 2001-465210/50.
                                                                                                                                                                                                                                    28-DEC-1999; 99US-0173419.
27-DEC-2000; 2000US-0173419.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antimicrobial; gene therapy; vaccine; amylase; can; amyloid protein; angiopolettin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention relates to oligonucleotides encoding polymorphic variants of proteins related to amylases, amyloid proteins, angiopoietin, apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, histones, kinases, colony stimulating factors, complement related
                                                                                                                                                                                                       (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                        28-DEC-2000; 2000WO-US35498
                                                                                                                                                                                                                                                                                                                              05-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                nervous system disease; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             complement related protein; cytochrome; kinesin; cytokine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human SNP oligonucleotide #7194.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24-JAN-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAL33986 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 50 BP; 14 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 1; Page 3451; 4143pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.4%;
100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13 C; 17 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0;
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 50;
                                                                                          cyclins, polymerases,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                factor;
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The present invention relates to oligonucleotides encoding polymorphic

Claim 1; Page 3451; 4143pp; English.

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AAC84571
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1537 ACCTCGTCCAGTCGTGCTTGGGTTTG 1562
                                  The invention relates to nucleic acid fragments encoding magnesium chelatase subunits. The nucleic acid fragments may be used to create transgenic plants in which the new polypeptides are present at higher or lower levels than normal or in cell types or developmental stages in
                                                                                                                                                                                                                                                                                                             Butler KH,
                                                                                                                                                                                                                                                                                                                                                                                          04-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Soybean magnesium chelatase subunit cDNA (clone sdp4c.pk022.h18[FIS]).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02-APR-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 50 BP; 14 A; 12 C; 17 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  apoptosis related proteins, cadherin, cyclin, polymerase, oncogen
histones, kinases, colony stimulating factors, complement related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    variants of proteins related to amylases, amyloid proteins, angiopoietin
                                                                                                                                                                                                                                                                                                                                                                                                                                 02-JUN-2000; 2000WO-US15351.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200075340-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Glycine max.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               soybean;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Magnesium chelatase;
                    which they are not normally found, and for overexpression in bacterial
                                                                                                                                                                        Isolated nucleic acid fragments encoding magnesium chelatase subunits, useful as probes for genetic and physical mapping of genes, as markers for traits linked to these genes, and in plant breeding -
                                                                                                                                                                                                                                                                                                                                                    (DUPO ) DU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14-DEC-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     leukaemia),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       50 ACCTCGTCCAGTCGTGCTTGGGTTTG
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                                                                                                                                                                                                                                                       AAB48252.
                                                                                                                                   Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 88
                                                                                                                                                                                                                                                                                                                                                    PONT DE NEMOURS & CO E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       diseases of the nervous system and an infection
                                                                                                                                                                                                                                                                                                             Famodu 00,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
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                                                                                                                                   59-60; 103pp; English.
                                                                                                                                                                                                                                                                                                                                                                                          99US-0137461.
to efficiently produce large amounts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.48;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  transgenic; herbicide; gene marker; plant breeding
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                                                                                                                                                                                                                                                                                                               Gutteridge S,
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                 Maxwell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 22;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       of pathogenic
                                                                                                                                                                                                as markers
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RESULT 45
AAL27277/c
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            The present invention relates to oligonucleotides encoding polymorphic variants of proteins related to amylases, amyloid proteins, angiopoietin, apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, histones, kinases, colony stimulating factors, complement related proteins, cytochromes, kinesins, cytokines, interferons, interleukins, G-protein coupled receptors and thioesterases. The present sequence is one such oligonucleotide. The oligonucleotides and the peptides encoded
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antimicrobial; gene therapy; vaccine; amylase; cancer; amyloid protein; angiopoietin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor; complement related protein; cytochrome; kinesin; cytokine; interferon; interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1872 CAGTGTAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                           Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases, oncogenes and histones, useful for diagnosing and treating, e.g. cancer, autoimmune diseases and infections –
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAL27277 standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 2481 BP; 783 A; 489 C; 589 G;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAL27277
                                                                                                                                                                         Claim 1; Page 1529; 4143pp; English.
                                                                                                                                                                                                                                                                                                                                 Shimkets RA,
                                                                                                                                                                                                                                                                                                                                                                                                             28-DEC-1999; 99US-0173419
27-DEC-2000; 2000US-0173419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28-DEC-2000; 2000WO-US35498.
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                                                                                                                                                                                                                                                                                                                                                                      (CURA-) CURAGEN CORP
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100.0%;
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Pred. No.
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                                                                                Query Match 1.3%; Score 25; DB 22; Best Local Similarity 100.0%; Pred. No. 2.9; Matches 25; Conservative 0; Mismatches 0
diseases associated with inappropriate expression of the proteins listed above. Disorders that may be prevented, diagnosed and/or treated include multifactorial diseases with a genetic component, such as autoimmune diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes, systemic lupus erythromatosus and Grave's disease), inflammation, cancer (e.g. cancers of the bladder, brain, breast, colon and kidney, leukaemia), diseases of the nervous system and an infection of pathogenic organisms.
                                                                                                                                                              Sequence 51 BP; 9 A; 5 C; 10 G; 27 T; 0 other;
                                                                                                                                                                                                          organisms.
                                                                                    0;
                                                                                                                      Length 51;
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Search completed: November 7, 2002, 18:16:25 Job time: 399.511 secs

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Result
No.
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Maximum DB seq length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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1897
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
/cgn2_6/ptodata/1/ina/5B_COMB.seq:*
/cgn2_6/ptodata/1/ina/6A_COMB.seq:*
/cgn2_6/ptodata/1/ina/6B_COMB.seq:*
/cgn2_6/ptodata/1/ina/BCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/backfiles1.seq:*
                              В
   US-07-688-352C-31

US-08-474-379C-31

US-08-206-188B-31

PCT-US91-02714-30

US-09-511-625B-67

US-09-511-625B-67

US-09-511-625B-67

US-09-306-290-11

US-09-306-290-11

US-09-306-290-11

US-09-306-290-11

US-09-306-290-11

US-08-171-385-22

US-08-171-385-27

US-08-171-385-27

US-08-361-441B-27

US-08-361-441B-20

US-08-171-385-20

US-08-171-385-20

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US-08-361-441B-20

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US-08-361-441B-20

US-08-361-441B-20

US-08-361-441B-20

US-08-361-441B-385-387

US-09-439-313-357

US-09-439-313-357

US-09-352-616A-357
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US-09-068-140A-5
US-09-413-574-1
5168051-9
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Sequence 5, Appli
Sequence 1, Appli
Patent No. 5168051
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2, Appli
14, Appl
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357, App
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31, Appl
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1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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US-09-103-663-10	US-07-869-933-10	US-09-173-300-21	US-08-252-966B-15	US-08-032-393-5	US-09-575-602-1	5212073-1	US-09-385-982-262	US-09-433-248A-7	US-08-206-185-5	US-08-462-894-5	US-09-186-188B-29	US-08-842-445-29	US-09-186-276B-29	US-09-372-422A-35	US-09-352-616A-353	US-09-439-313-353	US-09-605-785-353
Sequence 10, Appl			15,	ر ا		. 5212	262	7,	Ç	Sequence 5, Appli	Sequence 29, Appl		29,	35, A	Sequence 353, App	•	Sequence 353, App

ALIGNMENTS

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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: O'KEEF, DANIEL
TITLE OF INVENTION: PLANT GLUTATHIONE-S-TRANSFERASE ENZYMES
FILE REFERENCE: CL-1128-A
CURRENT FALLING DATE: 1999-02-10
EARLIER APPLICATION NUMBER: US/09/248,335
CURRENT FILING DATE: 1999-02-05
EARLIER APPLICATION NUMBER: 08/924,759
EARLIER APPLICATION NUMBER: 08/924,759
EARLIER FILING DATE: 1997-September-05
NUMBER OF SEQ ID NOS: 74
SOFTWARE: Microsoft Word Version 7.0A
SOFTWARE: Microsoft Word Version 7.0A
SOFTWARE: DNA
ORGANISM: maize
US-09-248-335-59
                                                                                                                                                                                                                                                                                                             US-09-068-140A-5
; Sequence 5, Application US/09068140A
; Patent No. 6281409
; GENERAL INFORMATION:
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US-09-248-335-59
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
                              COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                    NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESSE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1874 GTGTAAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                              APPLICANT: Mary Rose Woodhead, Mark Andrew Taylor APPLICANT: and Rex Michael Brennan TITLE OF INVENTION: Blackcurrant Promoters and Genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                              943 СТСТААЛАЛАЛАЛАЛАЛАЛАЛАЛАЛ 966
                                                                                                                             STREET: 709 Swedeland CITY: King of Prussia STATE: PA
  COMPUTER: IBM PC
OPERATING SYSTEM:
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IBM PC compatible SYSTEM: PC-DOS/MS-DOS
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/ 100.0%; Pr/
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; LOCATION: (58)...(1272)
US-09-413-574-1
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: Sequence 1, Application US/09413574

; Patent No. 6235972
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                                                                     Matches
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Best Local Similarity
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SEQ ID NO 1
LENGTH: 1522
TYPE: DNA
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Best Local :
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                                                                                                                                                                                                                                                                                                              EARLIER APPLICATION NUMBER: 60/109,728 EARLIER FILING DATE: 1998-11-23 NUMBER OF SEQ ID NOS: 5
                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/413,574
CURRENT FILING DATE: 1999-10-06
                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Mahajan, Pramod B.
APPLICANT: Tagliani, Laura
TITLE OF INVENTION: Maize Rad23 Genes and Uses Thereof
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: !
SEQUENCE CHARACTERISTICS:
LENGTH: 1046 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
                                                                                                                                                                                                                                                                                                                                                                                                          FILE REFERENCE: 0964
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                   1874 GTGTAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                        FEATURE:
                                                                                                                                                                                                                 ORGANISM: Zea mays
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ORGANISM: Ribes n:
STRAIN: Ben Alder
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: C7
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5017
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO) CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/068,140A
1456 GTGTAAAAAAAAAAAAAAAAAAA 1479
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: PCT/EP96/04807 FILING DATE: No. 6281409ember 4, 1996 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
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ANTI-SENSE: |
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nes 24; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION:
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                                                                       Conservative
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RESULT 4

Query Match

1.3%;

Score 24;

DB 1;

Length 3073;

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RESULT 5
US-07-688-352C-31
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US-07-688-352C-31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Patent No. 5527896 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Wigler, Michael H. APPLICANT: Colicelli, John J. TITLE OF INVENTION: Cloning by TITLE OF INVENTION: Processes NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
                                                                                                                                                               INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                            NAME: BOrun, Michael F.
REGISTRATION NUMBER: 2547
REFERENCE/DOCKET NUMBER: 278(
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 346-5750
TELEFAX: (312) 984-9740
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 21
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/389,929
FILING DATE: 04-AUG-1989
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                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 0 FILING DATE: 20-APR-1990 ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: DERYNCK, RIK M.A.; GOEDDEL, DAVID V. TITLE OF INVENTION: NUCLEIC ACID ENCODING TGF-B ITS USES
                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 3073 base pairs
                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 435
PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                              FEATURE:
                                                             MOLECULE TYPE:
                                                                                                                                                                 TELLEFAX: (J. 25-3856
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: Two First National Plaza, 20 South Clark STREET: Street CITY: Chicago
                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: FILING DATE: 19910
                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC OPERATING SYSTEM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & ADDRESSEE: Bicknell
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                             NAME/KEY:
                                                                               TOPOLOGY:
                                                                                            STRANDEDNESS:
                                                                                                        TYPE: NUCLEIC ACID
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100.0%; Pr
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0.28;
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RESULT 7
US-09-146-249A-31
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                                                                                                                                       Query Match
Best Local Similarity
Matches 24; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
INFORMATION FOR SEQ ID NO: 31
                                                                                                    1874 GTGTAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 07/688,352
FILING DATE: 19-AR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Clough, David W.
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 27866/327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 07/511,715
FILING DATE: 20-APR-1990
PRIOR APPLICATION UNMBER: US 08/206,188
FILING DATE: 01-MAR-1994
PRIOR APPLICATION UNMBER: US 07/600 250
APPLICATION UNMBER: US 07/600 250
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APPLICATION NUMBER: [
FILING DATE: 20-APR-]
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APPLICANT: Colicelli, John J.
TITLE OF INVENTION: CLONING BY COMPLEMENTATION AND RELATED
TITLE OF INVENTION: PROCESSES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1874 СТСТААЛАЛАЛАЛАЛАЛАЛАЛАЛ 1897
                                                                                                                                                                                                                                                                   FEATURE:
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CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
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CITY: Chicago
STATE: Illinoi
                                                                                                                                                                                                                          NAME/KEY: CDS
LOCATION: 3..1109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/08/474,379C FILING DATE: 07-JUN-1995 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                  STRANDEDNESS:
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                                                                    GTGTAAAAAAAAAAAAAAAAAAA 1543
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5977305
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                                                                                                                                         Conservative
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100.0%; Pred. No.
ative 0; Mismatc
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                                                                                                                                       Mismatches
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US-08-206-188B-31
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TELEX: 25-3856
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
FRIGTH: 3073 base pairs
                                                                                                                                                                                                                 Sequence 31, Application US/08206188B Patent No. 6100025 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local 9
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                  APPLICANT: Wigler, michael H. APPLICANT: Colicelli, John J. TITLE OF INVENTION: Cloning by TITLE OF INVENTION: Processes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
COMPUTER READABLE FORM
                                                                                                             NUMBER OF SEQUENCES: 84
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 0
FILING DATE: 20-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: Clough, David W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Wigler, Michael H. APPLICANT: Colicelli, John J.
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                                             CITY: Chicago
STATE: Illinois
                               COUNTRY:
                                                                               STREET:
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LOCATION: 3..1
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                                                                                               ADDRESSEE:
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               RY: United States of America 60606-6402
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RY: United States of America
60606-6402
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                                                                             6300 Sears Tower,
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                                                                               Marshall, O'Toole,
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                                                                                                                                                  Cloning by Complementation and Related Processes
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85
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100.0%; Pred. No.
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                                                                               Gerstein, Murray & Borun
South Wacker Drive
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South Wacker Drive
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GENERAL INFORMATION:
APPLICANT: Wigler, Michael H.
APPLICANT: Colicelli, John J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
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APPLICATION NUMBER: US 07/511,715
FILING DATE: 20-APR-1990
ATTORNEY/AGENT INFORMATION:
NAME: Clough, David W.
REGISTRATION NUMBER: 36107
                                                                                                                                                                                                        COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
               ATTORNEY/AGENT INFORMATION:
NAME: Borun, Michael F.
REGISTRATION NUMBER: 25447
                                                                                 PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/511,715
FILING DATE: 20-APR-1990
                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: Cloning by Complementation and Related TITLE OF INVENTION: Processes NUMBER OF SEQUENCES: 55 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 3073 base pairs
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TELEPHONE: 312/474-6300
TELEFAX: 312-474-0448
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STREET: Street
CITY: Chicago
                                                                                                                                                                     APPLICATION NUMBER: POFILING DATE: 19910419
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: CDS
LOCATION: 3...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: 312-4 TELEX: 25-3856
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: Floppy disk
                                                                                                                                                 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
REFERENCE/DOCKET NUMBER: 27805/30197
                                                                                                                                                                                                                                                                                                                                                                                Chicago
: Illinois
                                                                                                                                                                                                                                                                                                                                             60603
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Two First National Plaza, 20 South Clark
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-MAR-1994
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US/08/206,188B
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; OTHER INFORMATION: Description of artificial Sequence:/No. 6368828e; OTHER INFORMATION: synthetic construct; NAME/KEY: CDS
; LOCATION: (115)...(2655)
US-09-511-625B-67
RESULT 11
US-08-785-310A-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 346-5750
TELEFAX: (312) 984-9740
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 3073 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: 1
SEQ ID NO 67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Patent No. 6368828
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 67, Application US/09511625E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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                                                                                                                                                                                          Query Match
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APPLICANT:
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                                                                                                                                                                         Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Pierce, Jacalyn H.
TITLE OF INVENTION: ATTENUATED AND DOMINANT NEGATIVEVARIANT
TITLE OF INVENTION: CDUAS OF STAT6: STAT6b AND STAT6c
FILE REFERENCE: 14014.0300u1
CURRENT APPLICATION NUMBER: US/09/511,625B
                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/070,397
PRIOR FILING DATE: 1998-01-05
PRIOR APPLICATION NUMBER: 60/056,075
PRIOR FILING DATE: 1997-08-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: PCT PRIOR FILING DATE: 1998-08-27
                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                        TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1874 GTGTAAAAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                  1874 GTGTAAAAAAAAAAAAAAAAAAA 1897
                                                                            3321 GTGTAAAAAAAAAAAAAAAAAAAA 3344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 3073 base pai
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY:
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                                                                                                                                                       24; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                     FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Patel, Bharvin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LaRochelle, William J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
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                                                                                                                                                 1.3%; Score 24; DB 4;
100.0%; Pred. No. 0.28;
tive 0; Mismatches
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                                                                                                                                                                                          Length 3375;
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; Sequence 4, Application US/08785310A ; Patent No. 5840532

GENERAL INFORMATION:
APPLICANT: McKnig
APPLICANT: Russel

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: NAME/KEY: misc_feature
: LOCATION: (1)...(176373)
: OTHER INFORMATION: n = A,T,C or G
US-09-128-155-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 12
US-09-128-155-17/c
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NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: UTSD
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 343-4342
INFORMATION. FOR SEQ. ID. NO: 4:
                                                                                                                                                                                                                         SOFTWARE: FastSEQ for Windows Version 3.0 SEQ ID NO 17 LENGTH: 176373
                                                                                                                                                                                                                                                                   APPLICANT: Pan Yang

APPLICANT: Pan Yang

TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY

TITLE OF INVENTION: AND USES THEREOF

FILE REFERENCE: 09404/052001

CURRENT APPLICATION NUMBER: US/09/128,155

CURRENT FILING DATE: 1998-08-03

EARLIER APPLICATION NUMBER: US 60/091,650

EARLIER APPLICATION NUMBER: US 60/091,650

EARLIER APPLICATION NUMBER: US 60/054,646

EARLIER FILING DATE: 1998-08-04

NUMBER OF SEQ ID NOS: 18

NUMBER OF SEQ ID NOS: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 17, Application US/09128155 Patent No. 6117654
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
          Matches
                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                  FEATURE:
                                                                                                                                                                                   ORGANISM: Homo sapiens
                                                                                                                                                                                                             TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1874 GTGTAAAAAAAAAAAAAAAAAAA 1897
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LENGTH: 4184 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: Neuronal PAS Domain Protein NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
      Local Similarity
nes 24; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRANDEDNESS: double TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: FILING DATE: 21-JAN CLASSIFICATION: 536
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: SAN FRANCISCO
STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
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1.3%; Score 24; DB 3; ilarity 100.0%; Pred. No. 0.2; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SCIENCE & TECHNOLOGY LAW GROUP
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                                        Length 176373;
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Gaps
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В
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; OTHER INFORMATION: Description of Artificial Sequence: PrimerRGP; OTHER INFORMATION: RR713
US-09-306-290-16
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US-09-306-290-16/c
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US-09-306-290-11/c
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Best Local Similarity 100.0%;
Matches 23; Conservative
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Patent No. 6221635
GENERAL INFORMATION:
APPLICANT: ROVERA, GIOVANNI
APPLICANT: MUKhopadbyay, Sunil
TITLE OF INVENTION: METHODS FOR SOLID-PHASE AMPLIFICATION OF DNA TEMPLATE
TITLE OF INVENTION: (SPADT) USING MULTIARRAYS
FILE REFERENCE: 0924-10
                                                                                                                                                                                                                                                  SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 16
LENGTH: 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/306,290
CURRENT FILING DATE: 1999-05-06
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 11
LENGTH: 40
TYPE: DNA
                                                                                        Query Match
Best Local (
                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 16, Application US/09306290 Patent No. 6221635
                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/306,290
CURRENT FILING DATE: 1999-05-06
NUMBER OF SEQ ID NOS: 43
                                                                                                                                                                                                                                                                                                                                                     APPLICANT: ROVERA, Giovanni
APPLICANT: Mukhopadhyay, Sunil
TITLE OF INVENTION: METHODS FOR SOLID-PHASE AMPLIFICATION OF DNA TEMPLATE
TITLE OF INVENTION: (SPADT) USING MULTIARRAYS
FILE REFERENCE: 09924-10
                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             68491 GTGTAAAAAAAAAAAAAAAAAAA 68468
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
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                                 1875 TGTAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1874 СТСТАЛААЛААЛАЛАЛАЛАЛАЛА 1897
 23
                                                                       Local Similarity
nes 23; Conserv
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Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Description of Artificial Sequence: Primer RGP RR899
                                                                                      1.2%; Score 23;
100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.2%; Score 23;
100.0%; Pred. No.
                                                                   0; Mismatches
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                                                                   Indels
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                                                                 Gaps
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RESULT 15 US-08-171-385-22/c ; Sequence 22, Application US/08171385

Patent No. 5527884

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US-08-171-385-22
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                                                                                                                                                                                                                                                                                            Sequence 22, Application US/08361441B Patent No. 6077948 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Dodel 502 or 558X

COMPUTER: IBM PS/2 Model 502 or 558X

COMPUTER: MS-DOS (Version 5.0)
                             COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 95
                                                                                                                                                                                                                                                                                                                                                                                                                                        1875 TGTAAAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                      TITLE OF INVENTION: MEDIATORS OF CHRONIC ALLOGRAFT REJECTION NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 05.
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION: NAME: Fraser, Janis K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: WordPerfect (Version 5.1) CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: Mediators
SOFTWARE: FastSEQ for Windows Version 2.0b CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                             APPLICANT: Russell, Mary E. APPLICANT: Utans, Ulrike
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Mary E. Russell APPLICANT: Ulrike Utans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/08/171,385 FILING DATE:
                                                                                                  COUNTRY: USA
ZIP: 02110-2804
                                                                                                                                      STATE: MA
                                                                                                                                                          CITY:
                                                                                                                                                                         STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                        24 TGTAAAAAAAAAAAAAAAAAA 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (617
TELEX: 200154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Fraser, Janis K. REGISTRATION NUMBER: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: U.S.A. ZIP: 02110-2804
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                                                                                                                                                                         E: Fish & Richardson P.C
225 Franklin Street
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1.2%; Score 23; DB 1; 100.0%; Pred. No. 0.91;
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RESULT 17
US-08-171-385-27/c
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Patent No. 5527884
GENERAL INFORMATION:
APPLICANT: Mary E. Russell
APPLICANT: Ulrike Utans
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
                                                                                                    NAME: Fraser, Janis K.
REGISTRATION NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 0543
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
                                                                           INFORMATION FOR SEQ ID NO:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/11
FILING DATE: 21-DEC-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PS/2 Model 50% or 558X OPERATING SYSTEM: MS-DDS (Version 5.0 SOTTWARE: Wordperfect (Version 5.1) CURRENT APPLICATION DATA:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
                                                                                                                                                                                                                                  CLASSIFICATION: 514
PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
                                         SEQUENCE CHARACTERISTICS:
LENGTH: 340
                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: Mediators of Chronic Allograft TITLE OF INVENTION: Rejection
                                                                            TELLEFAX: (V-
TELEFAX: 200154
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TYPE: nucleic acid
STRANDEDNESS: doubl
TOPOLOGY: linear
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REGISTRATION NUMBER:
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                                                                                                                                                                                                                       FILING DATE:
                                                                                                                                                                                                                                                                                    FILING DATE:
                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Boston
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           STRANDEDNESS:
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                            nucleic acid
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linear
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             double
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 Mismatches

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RESULT 19
US-08-171-385-20/c
Sequence 20, Application US/08171385
Patent No. 5527884
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                                                                                                                                                                                                                                                                                Query Match 1.2%; Score 23; DB 3; Length 340; Best Local Similarity 100.0%; Pred. No. 0.91;
                                                                                                                                                                                                                                                                         Matches
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                                               GENERAL INFORMATION:
APPLICANT: Mary E. Russell
APPLICANT: Ulrike Utans
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                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 340 base pairs
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TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                  1875 ТGTAAAAAAAAAAAAAAAAAA 1897
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 21-DEC-1993
ATTORNEY/AGENT INFORMATION:
NAME: Fraser, Janis K.
REGISTRATION NUMBER: 34,8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 21-DEC-1994
PRIOR APPLICATION DATE: 08/171,385
PRIOR DATE: 21-DEC-1993
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SOFTWARE: FastSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Diskette
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TELEFAX: 200154
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                                                                                                                                                                                                                                                                                                                                                                LENGTH: 340 base pair
TYPE: nucleic acid
STRANDEDNESS: double
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   Rejection
                               Mediators of Chronic Allograft
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US-08-361-441B-20/C
; Sequence 20, Application US/08361441B
; Patent No. 6077948
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COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: FASTSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/361,441B
FILING DATE: 21-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION UNMBER: 08/171,385
FILING DATE: 21-DEC-1993
ATTORNEY/AGENT INFORMATION:
NAME: Fraser, Janis K.
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TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1875 TGTAAAAAAAAAAAAAAAAAAAA 1897
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ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
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MEDIUM TYPE: Diskette
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REGISTRATION NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 054
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 50Z or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTMARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/171,385
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: MEDIATORS OF CHRONIC ALLOGRAFT REJECTION NUMBER OF SEQUENCES: 43
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ADDRESSEE: Fish & Richardson
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CLASSIFICATION: 514
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TELEX: 200154
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Michiels, Frank
APPLICANT: Morioka, Sinji
APPLICANT: Scheirlinck, Trees
APPLICANT: Komari, Tosihiko
TITLE OF INVENTION: Stamen-spec
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
                                      TELEFAX: 612-332-9081 INFORMATION FOR SEQ ID NO: 2:
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LENGTH: 345 base pairs
TYPE: nucleic acid
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
                                                                                                                                                                                                                              APPLICATION NUMBER: EP 91403352.7
FILING DATE: 10-DEC-1991
PRIOR APPLICATION UMBER: EP 91402590.3
FILING DATE: 27-SEP-1991
PRIOR APPLICATION DATA:
                                                                                                                                                   APPLICATION NUMBER: EP 9140031 FILING DATE: 08-FEB-1991 ATTORNEY/AGENT INFORMATION: NAME: Kowalchyk, Katherine M.
                                                                                               REFERENCE/DOCKET NUMBER: 80 TELECOMMUNICATION INFORMATION:
                  SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: WO 9200272 FILING DATE: 06-FEB-1992
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                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION:
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                                                                                                                                   REGISTRATION NUMBER: 36,848
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3100 No. 5639948west Center
347 base pairs
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US-08-171-385-14/c
                                              US-08-171-385-14
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Best Local Similarity
Matches 23; Conserv
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Query Match
Best Local Similarity
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APPLICANT: Mary E. Russell
APPLICANT: Ulrike Utans
                                                                                                                       INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
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ORIGINAL SOURCE:
                                                                                                                                                                REFERENCE/DOCKET NUMBER: 05-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEPHONE: (617) 542-8906
                                                                                                                                                                                                                                                                                         FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: WordPerfect (Version 5.1) CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
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OPERATING SYSTEM: MS-DOS (Version 5.0)
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                                                                      TYPE: nucleic acid
STRANDEDNESS: doub
                                                                                                                                                                                                                              NAME: Fraser, Janis K. REGISTRATION NUMBER: 3
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                                                             TOPOLOGY:
                                                                                                       LENGTH:
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100.0%;
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sequence"
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Score 23;
Pred. No.
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0.91;
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                Length 350;
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RESULF 24
US-09-605-785-357/c
S-equence 357, Application US/09605785
Patent No. 6321716
                                                                                            GENERAL INFORMATION:
APPLICANT: XU, Jiango,
APPLICANT: Dillon, II
APPLICANT: Mitcham,
APPLICANT: Harlocke
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                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 350 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 14, Application US/08361441B Patent No. 6077948 GENERAL INFORMATION:
                                                          APPLICANT:
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                                             APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Fraser, Janis K.
REGISTRATION NUMBER: 34,819
REFERENCE/DOCKET NUMBER: 0543
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
         APPLICANT:
                                                                                                                                                                                                                                                                                                                                 1875 TGTAAAAAAAAAAAAAAAAAA 1897
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FILING DATE: 21-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/171,385
FILING DATE: 21-DEC-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: FastSEQ for Windows Version
CURRENT APPLICATION DATA:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish 6 Richardson P.C.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
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     Henderson, Robert A.
Kalos, Michael D.
Fanger, Gary R.
Retter, Marc W.
                                                                                                             Xu, Jiangchun
Dillon, Davin C.
Mitcham, Jennifer L.
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                                                                           Jiang, Yuqui
                                                                                            Harlocker, Susan L.
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       RESULT 26
US-09-352-616A-357/c
US-09-352-616A-357/c
; Sequence 357, Application US/09352616A
; Patent No. 6395278
                                                                                                                                                                                                                                                                   ; TYPE: DNA
; ORGANISM: Homo sapien
US-09-439-313-357
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; ORGANISM: Homo sapien
US-09-605-785-357
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GENERAL INFORMATION:
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Best Local Similarity
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Best Local Similarity 100.0%;
Matches 23; Conservative
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APPLICANT: Day, Craig
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C9
CURRENT APPLICATION NUMBER: US/09/439,313
CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
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APPLICANT:
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APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan Lou
APPLICANT: Jiang Yuqui
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CURRENT FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 835
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C16
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Retter, Mark
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Skeiky, Yasir A.W.
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Vedvick, Thomas
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                                                                                                                                                                                         1.2%; Score 23; DB 4; ilarity 100.0%; Pred. No. 0.9; Conservative 0; Mismatches
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; Pred. No. 0.9
0; Mismatches
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; SOFTWARE: FastSEQ for V
; SEQ ID NO 357
; LENGTH: 393
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-352-616A-357
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US-09-014-969-5
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APPLICANT: Jiang, Yuqui
APPLICANT: Xu, Jiangchun
APPLICANT: Mitcham, Jennifer Lynn
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.427C8
                                                                                                                   TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
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APPLICANT:
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APPLICANT: Merberg, David
APPLICANT: Treacy, Maurice
APPLICANT: Spaulding, Vikki
APPLICANT: Spaulding, Vikki
APPLICANT: Agostino, Michael J.
APPLICANT: NICENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
TITLE OF INVENTION: ENCODING THEM
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COMPOTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                  TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8284
                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: Sprunger, Suzanne A.
REGISTRATION NUMBER: 41,323
                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                     MOLECULE TYPE: cDNA
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                                                                              TYPE: nucleic acid
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ZIP: 02140
                                         TOPOLOGY:
                                                               STRANDEDNESS:
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                                                                                                  413 base pairs
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McCoy, John M.
LaVallie, Edward
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                                                             double
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RESULT 28
US-09-605-785-353/c
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US-09-439-313-353/c
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SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 353
                                                                                                                                                                                                                                            Sequence 353, Application US/09439313 Patent No. 6329505
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Best Local Similarity
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APPLICANT:
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APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C16
CURRENT FAPPLICATION NUMBER: US/09/605,785
CURRENT FILLING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 835
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APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C9
                                                                                                                               APPLICANT:
APPLICANT:
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Local Similarity 100.0%;
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                                                                                Fanger, Gary
Retter, Mark
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Carter, Darrick
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Day, Craig H.
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Retter, Marc W.
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Pred. No.
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US-09-352-616A-353/c ; Sequence 353, Application US/09352616A ; Patent No. 6395278
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Best Local Similarity
Matches 23; Conserv
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CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 353
                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Rudolf Jung
APPLICANT: Francois B
                                                                                                                                                                                                                                                                                                                                              Sequence 35, Application US/09372422A Patent No. 6313375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
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APPLICANT: Micham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
FILE REFERENCE: 210121.427C8
CURRENT APPLICATION NUMBER: US/09/352,616A
CURRENT FILING DATE: 1999-07-13
NUMBER OF SEQ ID NOS: 472
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                    NUMBER OF SEQ ID NOS: 49
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 35
LENGTH: 442
TYPE: DNA
ORGANISM: Zea mays
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                     APPLICANT: Francois Barrieu
TITLE OF INVENTION: Malze Aquaporins and Uses Thereof
FILE REFERENCE: 0919
CURRENT APPLICATION NUMBER: US/09/372,422A
CURRENT FILING DATE: 1999-08-11
PRIOR APPLICATION NUMBER: US 60/098,692
PRIOR FILING DATE: 1998-08-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA ORGANISM: Homo sapien
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                                          FEATURE:
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                  NAME/KEY: CDS
LOCATION: (2)...(257)
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0.89;
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                                                                         ; TYPE: DNA
; ORGANISM: Plant
US-08-842-445-29
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US-08-842-445-29/c
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CURRENT APPLICATION NUMBER: US/09/186,276B
CURRENT FILING DATE: 1998-11-05
PRIOR APPLICATION NUMBER: 08/842,445
PRIOR FILING DATE: 1997-04-24
PRIOR APPLICATION NUMBER: 08/638,617
PRIOR FILING DATE: 1996-04-26
NUMBER OF SEQ ID NOS: 79
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Benfey, Philip APPLICANT: DiLaurenzio, La APPLICANT: Wysocka-Diller, APPLICANT: Malamy, Jocelyn APPLICANT: Pysh, Leonard APPLICANT: Helariutta, Yrj
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Best Local Similarity 100.0%;
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APPLICANT: Benfey et al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 29
LENGTH: 502
                                                                                                                                             SOFTWARE: FastSEQ for Windows Version 3. SEQ ID NO 29
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Query Match
Best Local Similarity
Matches 23; Conserv
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                                                                                                                                                                                               TITLE OF INVENTION: Scarecrow Gene, Promoter and Uses TITLE OF INVENTION: Thereof FILE REFERENCE: 5914-056-999 CURRENT APPLICATION NUMBER: US/08/842,445A CURRENT FILING DATE: 1997-04-24 EARLIER APPLICATION NUMBER: 08/638,617 EARLIER FILING DATE: 1996-04-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Helariutta, Yrjo
TITLE OF INVENTION: Scarecrow Gene, Promoter and Uses Thereof
                                                                                                                                                                                  NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Oryza sp.
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                                                                                                                              LENGTH: 502
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les 23; Conserv
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Pysh, Leonard
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                 100.0%;
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                   1.2%; Score 23; DB 4;
100.0%; Pred. No. 0.88;
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                                    Length 502;
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US-08-462-894-5
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APPLICANT: Benfey et al.
TITLE OF INVENTION: Scarecrow Gene, Promoter and Uses
TITLE OF INVENTION: Thereof
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APPLICANT: NOESKE
APPLICANT: HAENDL
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TYPE: DNA
ORGANISM: Plant
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CURRENT APPLICATION NUMBER: US/09/186,188B
CURRENT FILING DATE: 1998-11-05
PRIOR APPLICATION NUMBER: 08/842,445
PRIOR FILING DATE: 1997-04-24
PRIOR APPLICATION NUMBER: 08/638,617
PRIOR APPLICATION NUMBER: 08/638,617
PRIOR FILING DATE: 1996-04-26
NUMBER OF SEQ ID NOS: 79
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APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatil
PRIOR APPLICATION DATA:
                                                                                                                                                                                CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: CUEVAS-AGUIRRE, DELIA
TITLE OF INVENTION: COLLAGEN-INDUCED PLATELET AGGREGATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STATE: VIRGINIA STATE STAT
                        APPLICATION NUMBER: US 08/206,185 FILING DATE: 07-MAR-1994 APPLICATION NUMBER: US 08/116,889 FILING DATE: 07-SEP-1993
                                                                                                                                                                                                                                                                      APPLICATION NUMBER: FILING DATE: 05-JUN
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KRAETZSCHMAR, JOERI
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                                                                                                                                                                                                                                                                      05-JUN-1995
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RESULT 36
US-08-206-185-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Patent No.
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APPLICATION NUMBER: US 07/7
EPILING DATE: 05-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: HAMLET-KING, DIANA
REGISTRATION NUMBER: 33,30
                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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APPLICANT:
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FILING DATE: 04-SEP-1F
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE: 17-JUL-19
                                APPLICATION NUMBER: US 01 FILING DATE: 07-SEP-1993 PRIOR APPLICATION DATA:
                                                           CLASSIFICATION: 530
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 08/116,889
                                                                                                                                                                                                                                                                                               STREET: 2200
CITY: ARLINGTON
CTATE: VIRGINIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1875 ТСТАРАВАВАВАВАВАВАВАВА 1897
                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: COLLAGENTITLE OF INVENTION: INHIBITOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0.
FILING DATE: 31-DEC-1991
                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         508 TGTAAAAAAAAAAAAAAAAAA 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION: TELEPHONE: 703-243-6333
                                                                                                                             APPLICATION NUMBER: US/08/206,185 FILING DATE: 07-MAR-1994
                   APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH:
                                                                                                                                                                                                                                                                                 22201
                                                                                                                                                                                                                                                                                                                                             E: MILLEN, WHITE, ZELANO & BRANIGAN, P.C
2200 CLARENDON BLVD., SUITE 1400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              530 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HAENDLER, BERNHARD
                                                                                                                                                                                                                                                                                                                                                                                                                                       CUEVAS-AGUIRRE, DELIA
VENTION: COLLAGEN-INDUCED PLATELET AGGREGATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        703-243-6410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ALAGON, ALEJANDRO POSSANI, LOURIVAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KRAETZSCHMAR, JOERN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NOESKE-JUNGBLUT, CHRISTIANE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Linear
UMBER: WO PCT/EP92/02052
04-SEP-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   04-SEP-1992
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.2%; Score 23; DB 1; 100.0%; Pred. No. 0.88;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US 07/756,211
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TITLE OF INVENTION: Disease Resistance Factors
FILE REFERENCE: BB1252 US NA
CURRENT APPLICATION NUMBER: U5/09/433,248A
CURRENT FILLING DATE: 1999-11-04
PRIOR APPLICATION NUMBER: 60/107,242
PRIOR FILING DATE: 1998-11-05
NUMBER OF SEQ ID NOS: 8
SOFTWARE: Microsoft Office 97
SEQ ID NO 7
LENGTH: 588
TYPE: DNA
ORGANISM: Triticum aestivum
US-09-433-248A-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ş
                                                          RESULT 38
US-09-385-982-262/c
: Sequence 262, Application US/09385982
: Patent No. 6262334
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APPLICATION UMBER: US 07/756,211

FILING DATE: 05-SEP-1991

ATTORNEY/AGENT INFORMATION:

NAME: HAMLET KING, DIANA

REGISTRATION NUMBER: 33,302

REFERENCE/DOCKET NUMBER: SCH 1359

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703-243-6313

TELEPHONE: 703-243-6310

INFORMATION FOR SEQ ID NO: 5:
                                                                                                                                                                                                                                                    Query Match
Best Local S
Matches 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 7, Application US/09433248A Patent No. 6355462
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: ENDEGE, WILSON O., ET AL.
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
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APPLICANT: Rafalski, J. Antoni
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Falco, S. Carl APPLICANT: Famodu, Omolayo O.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 530 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1875 TGTAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
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                                                                                                                                                                            563 TGTAAAAAAAAAAAAAAAAAA 585
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         y Match 1.2%; Score 23; DB 1; Local Similarity 100.0%; Pred. No. 0.88; hes 23; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US 07 FILING DATE: 31-DEC-1991
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                                                                                                                                                                                                                                                                      Similarity
                                                                                                                                                                                                                                                      Conservative
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                                                                                                                                                                                                                                                1.2%; Score 23;
100.0%; Pred. No.
ative 0; Mismatc
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                                                                                                                                                                                                                                                                          DB 4;
0.87;
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SEQ ID NO 262
LENGTH: 593
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
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CURRENT FILING DATE: 1999-08-30
EARLIER APPLICATION NUMBER: 09/328,111
EARLIER FILING DATE: 1999-06-08
EARLIER APPLICATION NUMBER: 60/117,393
EARLIER FILING DATE: 1999-01-27
EARLIER APPLICATION NUMBER: 60/098,639
EARLIER APPLICATION NUMBER: 60/098,639
EARLIER FILING DATE: 1998-08-31
NUMBER OF SEQ ID NOS: 544
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                         RESULT 40
US-09-575-602-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: ROLLINS, BARRETT; STILES, CHARLES; WONG, GORDON G.
TITLE OF INVENTION: PROCESS FOR PRODUCING HUMAN JE CYTOKINE
NUMBER OF SEQUENCES: 1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/351,008
FILING DATE:12-MAY-1989
SEQ ID NO:1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5212073-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Patent No.
                                                                                                                                                                                                                                                                  Sequence 1, Application US/09575602
Patent No. 6392123
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 1.2%; Score 23; Best Local Similarity 100.0%; Pred. No. Matches 23; Conservative 0; Mismatc
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: misc_feature
LOCATION: (1)...(593)
OTHER INFORMATION: n = A,T,C or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1875 TGTAAAAAAAAAAAAAAAAAAA 1897
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                                                                                                                                                                            APPLICANT: Crossland, Lyle D
APPLICANT: Harper, Stacy M
TITLE OF INVENTION: Method of Hybrid Seed Production
TITLE OF INVENTION: Conditional Female Sterility
NUMBER OF SEQUENCES: 14
   COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                             CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                  STATE: NCNY
COUNTRY: US
ZIP: 22057
                                                                                                                        ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   75 TGTAAAAAAAAAAAAAAAAAA 53
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les 23; Conserv
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                                                                                        CITY: Research Triangle Park
                                                                                                          STREET:
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                                                                       NCNY
                                                                                                              P.O.
                                                        USA
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                                                                                                                             Dept.
                                                                                                                                              No. 6392123artis Corporation -
Floppy disk
                                                                                                            Box 12257
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100.0%; Pr
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Pred. No.
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0.87;
                                                                                                                                                Patent & Trademark
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                                                                                                                                                                                                                    Using
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RESULT 41
US-08-032-393-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Patent No. 5332660
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 5, Application US/08032393 Patent No. 5332660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local :
ATTORNEY_AGENT INFORMATION:
NAME: Warren M. Cheek, Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1875 TGTAAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "cDNA sequence for
PECRIPTION: female-preferential transcript designated B20014-2"
                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM: MEDIUM TYPE: Diskette,
                                                                                                                                             PRIOR APPLICATION DATA:
                                                                                                                                                                                                                 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REGISTRATION NUMBER: 40,403
REFERENCE/DOCKET NUMBER: CGC 1915/Reg
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8582
                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         747 TGTAAAAAAAAAAAAAAAAAA 769
                                                                                                                                                                 CLASSIFICATION: 435
                                                                                                                                                                                                                                    OPERATING SYSTEM: MS-DOS
SOFTWARE: DisplayWrite
                                                                                                                           APPLICATION NUMBER: US/07/729,414
                                                                                                                                                                                               APPLICATION NUMBER: US/08/032,393
                                                                                                                                                                                                                                                                        COMPUTER:
                                                                                                                                                                                                                                                                                                                        ZIP: 20005
                                                                                                                                                                                                                                                                                                                                             COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                          CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: 919-541-8689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/09/575,602
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     nucleic acid
                                                                                                                                                                                                                                                                                                                                                           D.C.
                                                                                                                                                                                                                                                                                                                                                                                         E: Wenderoth, Lind & Ponack
805 Fifteenth Street, N.W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Osamu TAKEDA et al
                                                                                                                                                                                                                                                                                                                                         U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                   IBM Compatible
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100.0%; Pred. No. 0.85;
ative 0; Mismatches
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                                                                                                                                                                                                                                                                                    5.25 inch, 500 kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 772;
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RESULT 42
US-08-252-966B-15
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                                                                                                                                                                                                          Sequence 15, Application US/08252966B Patent No. 5624818
                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                             GENERAL INFORMATION:
APPLICANT: Elsenman, Robert N.
APPLICANT: Hurlin, Peter J.
APPLICANT: Ayer, Donald E.
TITLE OF INVENTION: Regulatory Proteins that Dimerize with
TITLE OF INVENTION: Mad or Max
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 933 base pairs
TYPE: nucleic acid
                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Christensen, O'Connor, Johnson, and KindnessPLLC
ADDRESSEE: Stifth Ave., Suite 2800
                                                                                                                                                                                                                                                                                                                     1875 TGTAAAAAAAAAAAAAAAAAAAAA 1897
                                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PUBLICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 POSITION IN GENOME:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FRAGMENT TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                     911 TGTAAAAAAAAAAAAAAAAAAA 933
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANELLE:
IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ANTI-SENSE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HYPOTHETICAL:
                      CITY: Seattle
STATE: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY:
LOCATION:
              COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                               Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                JOURNAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                       PUBLICATION DATE: RELEVANT RESIDUES IN SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DOCUMENT NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IDENTIFICATION METHOD: OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        UNITS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CHROMOSOME/SEGMENT: MAP POSITION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PAGES:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRAIN:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ISSUE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AUTHORS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LIBRARY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TISSUE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DEVELOPMENTAL STAGE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Candida albicans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INDIVIDUAL ISOLATE
98101-2347
                                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                                                                                 Conservative
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; LENGTH: 1162
; TYPE: DNA
; ORGANISM: Glycine max
US-09-173-300-21
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US-09-173-300-21
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                                                                   Query Match
Best Local Similarity
Matches 23; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 21, Application US/09173300 Patent No. 6451581 GENERAL INFORMATION:
                                                                                                                                                                                                                                  SOFTWARE: Microsoft Word Version 7.0A SEQ ID NO 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                   APPLICANT: Falco, Saverio Carl
APPLICANT: Hitz, William D.
APPLICANT: Kinney, Anthony J.
APPLICANT: Cahoon, Rebecca E.
APPLICANT: Cahoon, Rebecca E.
APPLICANT: Cahoon, Rebecca E.
TITLE OF INVENTION: PLANT BRANCHED CHAIN AMINO ACID BIOSYNTHETIC FILE REPERBOCE: BB-1126
FILE REPERBOCE: BB-1126
CURRENT APPLICATION NUMBER: US/09/173,300
CURRENT FILING DATE: 1998-10-15
EARLIER APPLICATION NUMBER: US/09/173,300
CURRENT FILING DATE: 1997 October 28
NUMBER OF SEQ ID NOS: 54
NUMBER OF SEQ ID NOS: 54
NUMBER OF SEQ ID NOS: 54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches 23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: (206) 682-8100
TELEFAX: (206) 224-0779
INFORMATION FOR SEQ ID NO: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
DESCRIPTION: clone 19; see Figure
HYPOTHETICAL: NO
ORIGINAL SOURCE:
1132 TGTAAAAAAAAAAAAAAAAAAA 1154
                                  1875 ТСТАРААЛАЛАЛАЛАЛАЛАЛА 1897
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NAME: Shelton, Dennis K.
REGISTRATION NUMBER: 26,997
REFERENCE/DOCKET NUMBER: FH
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 1008 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     975
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: FILING DATE: 01-JUN CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TGTAAAAAAAAAAAAAAAAAA 997
                                                                       1.2%; Score 23; ilarity 100.0%; Pred. No. Conservative 0; Mismatc
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100 Mismatches
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                                                                                             DB 4; Length 1162; 0.82;
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US-07-869-933-10

RESULT 44

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RESULT 45
US-09-103-663-10
US-09-103-663-10
; Sequence 10, Application US/09103663D
; Patent No. 6171803
; GENERAL INFORMATION:
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                                                            SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIA Release #1.0, Version #1.25
SOFTWARE: PATENTIA Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/869,933
FILING DATE: 19920416
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: BENT. Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 40399/154 NIHD
TELECOMMUNICATION INFORMATION:
TELEPAN: (703)836-9300
TELEFAN: (703)863-4109
                                                                                         APPLICANT: Kinet et al.

TITLE OF INVENTION: Isolation, characterization, and use of the human beta
TITLE OF INVENTION: subunit of the high affinity receptor for
TITLE OF INVENTION: immunoglobulin E.

FILE REFERENCE: 50490
CURRENT APPLICATION NUMBER: US/09/103,663D
CURRENT FILING DATE: 1998-06-23
EARLIER APPLICATION NUMBER: 07/869,933
EARLIER APPLICATION NUMBER: 07/869,933
EARLIER FILING DATE: 1992-04-16
NUMBER OF SEQ ID NOS: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: KINET, Jean-Pierre
APPLICANT: KINET, Jean-Pierre
TITLE OF INVENTION: ISOLATION, CHARACTERIZATION, AND USE OF
TITLE OF INVENTION: THE HUMAN B SUBUNIT OF THE HIGH AFFINITY RECEPTOR FOR
TITLE OF INVENTION: IMMUNOGLOBULIN
NUMBER OF SEQUENCES: 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 1174 base pairs
ORGANISM: Homo sapiens
                                             LENGTH: 1174
                                                                                                                                                                                                                                                                                                                                                                                                                                                              1150 TGTAABAAAAAAAAAAAAAAAA 1172
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ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
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TELEFAX: 899149
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Foley & Lardner STREET: 1800 Diagonal Road, Suite 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY:
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                            DNA
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; FEATURE:
; NAME/KEY: CDS
; LOCATION: (107)..(880)
US-09-103-663-10
NAME/KEY: CDS
LOCATION: (107)..(880)
S-09-103-663-10

Query Match
Best Local Similarity 100.0%; Pred. No. 0.82;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Search completed: November 7, 2002, 23:21:20 Job time : 366.085 secs

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Result
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Maximum DB seq
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Perfect score:
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                                                                                                                                                                                                                                                                                                                     Score
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Match Length
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Gapop 60.0 , Gapext 60.0
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1897
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73.6
73.6
31.9
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225,4
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US-09-825-294-215
US-09-825-294-211
US-09-825-294-211
US-09-825-294-218
US-09-825-294-213
US-09-825-294-9
US-09-825-294-19
US-09-825-294-19
US-09-825-294-19
US-09-825-294-212
US-09-825-701-2325
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                                                                                                                                                                                                                                                                                                                  Description
sequence 214, App
Sequence 211, App
Sequence 210, App
Sequence 218, App
Sequence 218, App
Sequence 218, App
Sequence 219, App
Sequence 1516, Ap
Sequence 2116, Ap
Sequence 212, App
Sequence 212, App
Sequence 4240, Ap
Sequence 1532, Ap
Sequence 1532, Ap
Sequence 7826, Ap
Sequence 7826, Ap
Sequence 2375, App
Sequence 825, App
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US-09-990-442-286	US-09-991-073-286	US-09-989-732-286	US-09-989-731-286	US-09-989-727-286	US-09-989-279-286	US-09-989-723-286	US-09-989-722-286	US-09-992-598-286	US-09-410-194-14	US-09-764-870-15	US-09-800-528-5	US-09-925-300-384	US-10-078-929-89	US-09-925-300-627	US-10-062-254-125	US-09-924-035A-439	US-09-770-791-315	US-10-033-528-58	US-09-920-300A-58	US-09-770-696-104	US-09-925-301-584	US-09-919-580-143	US-09-867-701-5174	701	US-09-960-352-9079
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ALIGNMENTS

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APPLICANT: W. Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Adjate, Paul A.
APPLICANT: Hing, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CA
FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTMARE: FastSEQ for Windows Version 3.0
SEQ ID NO 214
LENGTH: 1897
TYPE: DNA
TYPE: DNA
                                                                                                                                                                                                                                                                                          ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(1897)
OTHER INFORMATION: n = A,T,C or
US-09-825-294-214
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Best Local Similarity
Matches 1897; Conserv
                 121 AGCTACGACCGTCGTCTCCGCGGCAGCAGCGGGGGCCCCAGCAGCCTCGGCAGCCACAGC
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                       CGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGA 1260
                                                                                  GAAAACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACT
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APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF ON
FILE REFERENCE: 210121, 484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 205
LENGTH: 1619
TYPE: DNA
ORGANISM: Homo Sapiens
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APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John /
APPLICANT: Algate, Paul
APPLICANT: Fling, Steven
                                                                                                                                                                                                                                                                                                     Sequence 205, Application US/09825294 Patent No. US20020004491A1
                                                Matches
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Pred. No. 0;
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                                                                                                               CGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCCGGG 1299
                                                                                                                                                                CTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCT 1239
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                                                 ACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGAGTGCGCATGTA
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APPLICANT: W. Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CF.
FILE REFERENCE: 210121.48405
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEG ID NOS: 215
SOFTWARE: FastSEO for Windows Version 3.0
SEQ ID NO 211
LENGTH: 1619
TYPE: DNA
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US-09-825-294-211
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Best Local
                                                                                                                                                                                                                                                     Matches 1616;
                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: Homo sapiens
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CCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTT
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                              GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTA
                                                  GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGGAAAGTGCCGGGATCATGTA 459
                                                                                                     GTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCGAGTTCATTGTGAATTGCAC
                                                                                                                                                                       GGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCA
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TTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGGGCATAGTTTGAGACTGCAGA
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                                                              CTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGAC
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FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(625)
OTHER INFORMATION: n = A,T,C
US-09-825-294-210
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LENGTH: 625
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Best Local
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APPLICANT: Stolk, John A.
APPLICANT: Algate, Paul A.
APPLICANT: Algate, Paul A.
APPLICANT: Eling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN
FILE REFERENCE: 210121, 484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version
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                            GGCGCTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTG 1390
 CATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCC
                                                                                        CGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAG
                                                                                                        CGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAG
                                                                                                                                                      CAGCGACAGGCGCCACCAGCACCTGCACGAACACCCGCCGAAACTGCTGCGAGGACAC
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GENERAL INFORMATION:

APPLICANT: Aglate, Paul A.

APPLICANT: Jones, Robert

APPLICANT: Jones, Robert

ITITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.497

CURRENT APPLICATION NUMBER: US/09/867,701

CURRENT APPLICATION NUMBER: 05-29

NUMBER OF SEQ ID NOS: 10912

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 10876

LENGTH: 625
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Homo sapiens
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                                1511
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                          GAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGC 1570
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Sequence 208, Application US/09825294

Patent No. US20020004491A1

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
APPLICANT: Stolk, John A.

APPLICANT: Stolk, John A.

APPLICANT: Fling, Steven P.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C5

CURRENT APPLICATION UNUMBER: US/09/825,294

CURRENT FILING DATE: 2001-04-03

NUMBER OF SEQ ID NOS: 215
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LENGTH: 1362
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                                                        1364 CAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCAGCAGCAGCAGCAGCACAGCACAGCACGAA 1423
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             1424 CACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAG
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                                                                                                                                                        CTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCGGGACGC
                                         CAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAGCGCGCAGCACCAGCACCTGCACGAA
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ACAGTG 606
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APPLICANT: X. Jiangchun
APPLICANT: Stolk, John A.
APPLICANT: Stolk, John A.
APPLICANT: Fling, Steven P.
APPLICANT: Fling, Steven P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CFILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
NUMBER OF SEQ ID NOS: 215
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 213
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; ORGANISM: Homo sapiens
US-09-825-294-213
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CAACGACTGCTCCTCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTG 420
                                                                                                                                     CTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAA 360
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                                                            CAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTG
                                                                                                                        CTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAA
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Sequence 9, Application US/09825294; Patent No. US20020004491A1; GEMERAL INFORMATION: APPLICANT: Xu, Jiangchun APPLICANT: Stolk, John A. APPLICANT: Algate, Paul A. APPLICANT: Fling, Steven P.
GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Stolk, John A.

APPLICANT: Stolk, John A.

APPLICANT: Stolk, John A.

APPLICANT: Fling, Steven P.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE

TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CF

FILE REFERENCE: 210121.484C5

CURRENT APPLICATION NUMBER: US/09/825,294

CURRENT FILING DATE: 2001-04-03

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FASTSEQ for Windows Version 3.0

SEQ ID NO 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; NAME/KEY: misc_feature; LOCATION: (1)...(396); OTHER INFORMATION: n = A,T,C US-09-825-294-9
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US-09-825-294-9
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                                                                                                                                                                                                                                                                                                                                           RESULT
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; SEQ ID NO 9
; STORTH: 396
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APPLICANT: Stolk, John A.

APPLICANT: Algate, Paul A.

APPLICANT: Fling, Steven P.

APPLICANT: Fling, Steven P.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE

TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.484C5

CURRENT APPLICATION NUMBER: US/09/825,294

CURRENT APPLICATION NUMBER: US/09/825,294

CURRENT FILING DATE: 2001-04-03

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                             Sequence 199, Application US/09825294 Patent No. US20020004491A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches 316;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 16./%;
Best Local Similarity 100.0%;
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TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               274 CATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCCAGTG 333
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                65 CTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAA 124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGAGTGATGAGGAGCAAAGTGCCGGGAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCCTCT 573
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCA 513
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCA
                                                                                                                                                                                                                                                                                                                                                                                                           TTGTAACGGGCCAAGG 320
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16.7%; Score 316; DB 10; Length 396; 100.0%; Pred. No. 3.2e-121;
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Sequence 1516, Application US/09867701

Patent No. US20020132237A1

GENERAL INFORMATION:
APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION UNMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1516
LENGTH: 373
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                                                                                                                                                                                                                                                          ; TYPE: DNA
; ORGANISM: Homo sapien
US-09-867-701-1516
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; LOCATION: (1)...(369)
; OTHER INFORMATION: n = A,T,C or G
US-09-825-294-199
                                                                                                                                                                                                        Query Match
Best Local Similarity
                                                                                                                                                                                            Matches 315;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
1683 GAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCTTACTGGC 1742
                                                                                          1623
                                                                                                                                   1563 GCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCCAGCATACGGCCCAATGTCACAACA 1622
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
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                                                                   CTGCCTCGGCCCTCA 623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATCAGCCCTGGGCAGACACGAGCAGGAGGGGAGAGACAGAGAAAAAGAAAAACACAGCATGA 196
                                                                                                                   GCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACA 256
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                                                                                                                                                                                     16.6%; Score 315; DB 10; Length 373; 100.0%; Pred. No. 8.3e-121; tive 0; Mismatches 0; Indels
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SEQ ID NO 2409
LENGTH: 349
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                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
                                                                                                                                                                                                                                                                                                             1570 CCATGATCCTCCGAATCTGGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCC 1629
                          1870 GACAGTG 1876
                                                                                                                                                                                                                                                               1630 CTGGGCAGACACGAGCAGGAGGAGAGAGAAAAAGAAAAACACAGCATGAGAACACA 1689
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                                                                                                                                                                                                                                                                                                                                                            Local Similarity nes 307; Conservat
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                                                                     TAACACTGTTTCAAACCCGGGGGAGTTGGCTGTGTTAAAGAAAAACACCATTAAATGCTTTA 1869
                                                                                                                               GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA 1749
                                                                                                                                                                                                                                   GACAGTG
                                                      GTAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAA 131
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                                                                                                                                                                                                                                                                                                                                                                                      Length 349;
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US-09-825-294-212
; Sequence 212, Application US/09825294
; Patent No. US20020004491A1
; GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun APPLICANT: Stolk, John A. APPLICANT: Algate, Paul A

Algate, Paul A

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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-825-294-212
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SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 212
FERROR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 14.3%; Score 271; DB 10
Best Local Similarity 100.0%; Pred. No. 1.1e-1
Matches 271; Conservative 0; Mismatches
                                                                                                                                                                                                                                                Query Match 13.9%;
Best Local Similarity 99.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
APPLICANT: HARLOCKER, SUSAN L.
TIPLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT EPILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FASTSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 4240, Application US/09867701 Patent No. US20020132237A1
                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 4240
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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.484C5
CURRENT APPLICATION NUMBER: US/09/825,294
CURRENT FILING DATE: 2001-04-03
                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 409
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                          ORGANISM: Homo sapien
1683 GAACACAGTAAATGAATAAAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCTTACTGGC 1742
                                                                                       1623 ATCAGCCCTGGGCAGACACGAGCAGGAGGAGAGAGAGAAAAGAAAAACACAGCATGA 1682
                                                                                                                                                                                   1563 GCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACA 1622
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                                               255
                                                                                                                                        315
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 310 AGGCTTTGCGCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTG 369
                                            TCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTG 549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTG 489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CTCCTCCCCGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGA 377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTG
                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                  Score 264; DB 10;
Pred. No. 8.7e-100;
                                                                                                                                                                                                                               Mismatches
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; TYPE: DNA
; ORGANISM: Homo sapien
US-09-867-701-8894
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                                                       GENERAL INFORMATION:
APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 1532
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 8894
                                                                                                                                                                                                                                                                                                            Sequence 1532, Application US/09867701 Patent No. US20020132237A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 8894, Application US/09867701 Patent No. US20020132237A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 8.8%;
Best Local Similarity 100.0%;
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APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/09/867,701 CURRENT FILING DATE: 2001-05-29
                   LENGTH: 390
TYPE: DNA
ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1561 TGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAA 1620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1501 AGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTT 1560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1863 TGCTTTAGACAGTGT 1877
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAA
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APPLICANT: Aglate, Paul A.

APPLICANT: Jones, Robert

APPLICANT: Harlocker, Susan L.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.497

CURRENT APPLICATION NUMBER: US/09/867,701

CURRENT FILING DATE: 2001-05-29

NUMBER OF SEO ID NOS: 10912

SOFTWARE: FASESED FOR WINDOWS Version 4.0

SEQ ID NO 7826

SEQ ID NO 7826

LENGTH: 381

TYPE: DNA

ORGANISM: Homo sapien
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                   GENERAL INFORMATION:
APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
                                                                                                                                                                     Sequence 4251, Application US/09867701 Patent No. US20020132237A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
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CURRENT APPLICATION NUMBER: US/09/867,701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: misc_feature
LOCATION: (1)...(390)
OTHER INFORMATION: n = A,T,C or G
                                                                                                                                                                                                                                                                                                                                         1358 TACGC 1362
                                                                                                                                                                                                                                                                                                                                                                                                        1298 GGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGTCGGTGGAGTGCGCATG 1357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1238 CTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCG 1297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1756 CAATTITICAGTGTTGGACTTGACAGCTTCTTTT 1789
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1696 GAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTAC 1755
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                                                                                                                                                                                                                                                                                                                                                                                    176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   116 CTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACTGGCGCCCG 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        207 GAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTAC
                                                                                                                                                                                                                                                                                                 236 TACGC 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       267 CAATTTTTCAGTGTTGGACTTGACAGCTTCTTTT 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity 100.0%; Pred. No. 1.0
                                                                                                                                                                                                                                                                                                                                                                                GGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGGGGCGCTGTCGGTGGAGTGCGCATG 235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8.1%; Score 154; DB 10 100.0%; Pred. No. 2e-54;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 125; DB 10; Pred. No. 1.8e-42;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 10;
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APPLICANT: Aglate, Paul A.

APPLICANT: Jones, Robert

APPLICANT: Harlocker, Susan L.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 210121.497

CURRENT APPLICATION NUMBER: US/09/867,701

CURRENT FILING DATE: 2001-05-29

NUMBER OF SEQ ID NOS: 10912

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 2375

LENGTH: 558
                                                                                                                                               US-09-834-975-825; Sequence 825; Application; Patent No. US20020110815A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(558)
; OTHER INFORMATION: n = A,T,C or G
US-09-867-701-2375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; CURRENT FILING DATE: 2001-05-29; NUMBER OF SEQ ID NOS: 10912; SOFTWARE: FastSEQ for Windows Version 4.0; SEQ ID NO 4251; LENCTH: 430; TYPE: DNA; ORGANISM: Homo sapien
US-09-867-701-4251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 18
US-09-867-701-2375
; Sequence 2375, Application US/09867701
; Patent No. US20020132237A1
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Best Local Similarity
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  APPLICANT: Lillie, James
APPLICANT: Brown, Jeffrey
APPLICANT: Bolt, Andrew
APPLICANT: Bolt, Andrew
APPLICANT: Van Huffel, Christophe
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS AND METHODS
TITLE OF INVENTION: FOR THE IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY
TITLE OF INVENTION: OF HUMAN CANCERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
FILE REFERENCE: MRI-016B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
                                                                                                                                                                                                                                                                                     1408 ACAGCACCTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACAGGAGCGGGT 1467
                                                                                                                                                                                                                                                                                                                                                                       770 GGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGTGTTCTCTTTTGTTCCTGTGCAAA 829
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   242 GGTGTCCTTTTATTCTGGGTAGGGAGCGGGAGTCCGTGTTCTCTTTTGTTCCTGTGCAAA 301
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                                                                                                                                                                                           Application US/09834975
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; OTHER INFORMATION: Clone ID: 39-LIB3058-009-Q1-K1-B12
US-09-960-352-9079
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; NAME/KEY: misc_feature
; LCCATION: (1)...(1368)
; OTHER INFORMATION: n = A,T,C
US-09-834-975-825
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Byatt, Jöhn Č.
APPLICANT: Mathialgan, Nagappan
APPLICANT: Mathialgan, Nagappan
TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
FILE REFERENCE: 16511.006/37-21(10298)C
CURRENT APPLICATION NUMBER: US/99/960,352
CURRENT FILING DATE: 2001-09-24
NUMBER OF SEQ ID NOS: 15112
SEQ ID NO 9079
LENGTH: 152
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CURRENT FILING DATE: 2001-04-13
PRIOR APPLICATION NUMBER: 60/197,538
PRIOR FILING DATE: 2000-04-14
NUMBER OF SEO ID NOS: 1046
SOFTWARE: FastSEO for Windows Version 4.0
SEO ID NO 825
LENGTH: 1368
                                                                                                                                                                                                                              Sequence 4911, Application US/09867701 Patent No. US20020132237A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 9079, Application US/09960352 Patent No. US20020137139A1 GENERAL INFORMATION:
                   SEQ ID NO 4911
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local
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Best Local :
                               CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                           APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
                                                                                                                                                                                                                                                                                      -09-867-701-4911/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Warren, Wesley APPLICANT: Tao, Nengbing
LENGTH: 363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Homo sapiens FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                      1873 AGTGTAAAAAAAAAAAAAAAAAAAAA 1897
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local
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100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                           0;
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0.042;
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US-09-867-701-5174/c
                                                                           US-09-919-580-143
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; TYPE: DNA
; ORGANISM: Homo sapien
US-09-867-701-5174
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                                                                                                                                                                                      SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 143
LENGTH: 568
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 143, Application US/09919580 Patent No. US20020110832A1
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                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 1.3%; Score 25; Best Local Similarity 100.0%; Pred. No. Matches 25; Conservative 0; Mismatc
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 Matches
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                                                                                                                                                                                                                                                           APPLICANT: Pyle, Ruth
APPLICANT: Xu, Jiangchun
APPLICANT: Xu, Jiangchun
APPLICANT: Secrist, Heather
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
TILE REFERENCE: 210121.552
CURRENT APPLICATION NUMBER: US/09/919,580
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 934
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121, 497
CURRENT APPLICATION NUMBER: US/09/867,701
CCURRENT FILING DATE: 2001-05-29
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                                                                                           FEATURE:
NAME/KEY: misc_feature
LOCATION: 62, 74, 231,
OTHER INFORMATION: n =
                                                                                                                                                                    ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
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1 Similarity 100.0%;
25; Conservation
 Conservative
                 1.3%;
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A,T,C or G
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                 Score 25;
Pred. No.
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 Mismatches
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                                                                                                              510, 532,
                   DB 10;
0.29;
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                                    Length 568;
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Gaps
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1873 AGTGTAAAAAAAAAAAAAAAAAA 1897

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AGTGTAAAAAAAAAAAAAAAAAAAA 11

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US-09-770-696-104
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US-09-925-301-584
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APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA106
                                                                                                                                                                                                                                                                                                                                                                Sequence 104, Application US/09770696 Patent No. US20010044940A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 584
LENGTH: 2968
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 584, Application US/09925301 Patent No. US20020052308A1
                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
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APPLICANT:
APPLICANT:
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PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1694
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/09/925,301
CURRENT FILING DATE: 2001-08-10
                                                                                                                                                                                                                                                                                                              APPLICANT: Gorlach, Jorn APPLICANT: An, Yong-Qian
                                                                    APPLICANT:
                                                                                                                     APPLICANT:
                                                                                                                                                                                        APPLICANT:
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LOCATION: (2961)
OTHER INFORMATION: n equals a,t,g, or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: n equals a,t,g, or NAME/KEY: misc_feature LOCATION: (1437)
OTHER INFORMATION: n equals a,t,g, or
                                                    APPLICANT
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LOCATION: (2964)
OTHER INFORMATION: n equals a,t,g, or
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OF INVENTION: Expressed Sequences of Arabidopsis
                                                Davis, Keith R.
Allen, Keith
                                                                                 Garcia, Carlos A.
Kricker, Maja
Slader, Ted
                                                                                                                                     Woessner, Jeffrey P.
Haas, William David
                                                                                                                                                                    Matthew, Abraham V.
Ledford, Brooke L.
                                                                                                                                                                                                                                                                         Hamilton, Carol M.
Price, Jennifer L.
                                                                                                                                                                                                                            Rameaka,
                                                                                                                                                                                                                                                           Raines,
                              Hoffman, Neil
                                                                                                                                                                                                        Page, Amy
                                                                                                                                                                                                            , Yang
maaka, Joshua G.
                                                                                                                                                                                                                                                                                                          Yong-Qiang
                  Patrick
                                                                                                                                                                                                                                                         Tracy M.
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; TITLE OF INVENTION: thaliana
; FILE REFERENCE: 2031US (PARA-020PRV)
; CURRENT APPLICATION NUMBER: US/09/770,696
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/178,278
; PRIOR FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 911
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 104
; SEQ ID NO 104
; LENGTH: 208
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-770-696-104
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                                                                                                                                                                                                                                                               US-10-033-528-58
                                                                                                                                                                                                 Sequence 58, Application US/10033528 Patent No. US20020131971A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/09/920,300A
CURRENT FILING DATE: 2001-07-31
NUMBER OF SEQ ID NOS: 1789
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 58
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
        APPLICANT: King, Gordon E.
APPLICANT: King, Gordon E.
APPLICANT: Meagher, Madeleine Joy
APPLICANT: Xu, Jiangchun
APPLICANT: Secrist, Heather
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
FILE REFERENCE: 210121,547C1
CURRENT APPLICATION NUMBER: US/10/033,528
CURRENT FILING DATE: 2001-12-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: King, Gordon E.
APPLICANT: Meagher, Madeleine Joy
APPLICANT: Xu, Jiangchun
APPLICANT: Secrist, Heather
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
FILE REFERENCE: 210121.547
NUMBER OF SEQ ID NOS: 1896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION: 258
OTHER INFORMATION: n = A,T,C or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: misc_feature
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100.0%; Pred. No.
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Pred. No.
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0.79;
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RESULT 29

US-09-924-035A-439/c

; Sequence 439, Application US/09924035A

; Patent No. US20020142319A1
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 315
LENGTH: 373
TYPE: DNA
ORGANISM: Arabidopsis thaliana
US-09-770-791-315
                                                                                                                                                                                                                                                                                                                                        APPLICANT: Hurban, Patrick
TITLE OF INVENTION: Expressed Sequences of A
TITLE OF INVENTION: thaliana
TITLE REFERENCE: 2029 (PARA-018PRV)
CURRENT APPLICATION NUMBER: US/09/770,791
CURRENT FILING DATE: 2001-01-26
PRIOR APPLICATION NUMBER: 60/178,480
PRIOR FILING DATE: 2000-01-27
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; NAME/KEY: misc_feature
; LOCATION: 258
; OTHER INFORMATION: n = A,T,C or
US-10-033-528-58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-770-791-315/c
GENERAL INFORMATION:
                                                                                                                                                                                                            Query Match
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Best Local :
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                                                                                                                                                                              Matches
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APPLICANT:
APPLICANT:
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                                                                                                                             1874 GTGTAAAAAAAAAAAAAAAAAAAAA 1897
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
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                                                                                                                                                                          Local Similarity 100. hes 24; Conservative
                                                                                                              24 GTGTAAAAAAAAAAAAAAAAA 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hoffman, Neil
Hurban, Patrick
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Hamilton, Carol M.
Price, Jennifer L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Davis, Keith R.
Allen, Keith
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Ledford, Brooke L.
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Haas, William David
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Rameaka, Joshua G.
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                                                                                                                                                                                          100.0%;
                                                                                                                                                                                             1.3%; Score 24;
100.0%; Pred. No.
                                                                                                                                                                          0; Mismatches
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. 0.79;
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                                                                                                                                                                                             0.77;
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                                                                                                                                                                                                         Length 373;
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US-10-062-254-125
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CURRENT FILING DATE: 2002-02-01
PRIOR APPLICATION NUMBER: 09/630,346
PRIOR FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: 60/146511
PRIOR APPLICATION NUMBER: 60/156006
PRIOR APPLICATION NUMBER: 60/156006
PRIOR APPLICATION NUMBER: 60/156006
PRIOR APPLICATION NUMBER: 60/156006
PRIOR FILING DATE: 1999-09-33
PRIOR FILING DATE: 1999-09-30
PRIOR FILING DATE: 1999-09-30
NUMBER OF SEQ ID NOS: 375
SOFTWARE: Microsoft Office 97
SEQ ID NO 125
LENGTH: 766
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LENGTH: 419
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                                                                                 PRIOR APPLICATION NUMBER: 60/171515
PRIOR TILING DATE: 1999-12-2
PRIOR APPLICATION NUMBER: 60/173535
PRIOR FILING DATE: 1999-12-29
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PRIOR APPLICATION NUMBER: US 60/148,784
PRIOR FILING DATE: 1999-08-13
NUMBER OF SEQ ID NOS: 900
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Expressed Sequences of Arabidopsis TITLE OF INVENTION: thaliana FILE REFERENCE: 2011US CURRENT APPLICATION NUMBER: US/09/924,035A CURRENT FILING DATE: 2000-08-11
                                                                                                                                                                    PRIOR APPLICATION NUMBER: 60/171054
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: 60/172958
PRIOR FILING DATE: 1999-12-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Zheng, Peizhong
APPLICANT: Zhu, Qun
TITLE OF INVENTION: Polynucleotides Encoding Proteins Involved In Plant Metabolism
FILE REFERENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
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ORGANISM: Arabidopsis thaliana
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                                                                                                                                                                                                                                                        APPLICATION NUMBER: 60/169767 FILING DATE: 1999-12-09
                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 60/157287 FILING DATE: 1999-10-01
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Zheng, Peizhong
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CURRENT APPLICATION NUMBER: US/09/925,300
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05988
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
SOFTWARE: PATENTIN VET. 2.0
SEQ ID NO 627
LENGTH: 871
                                                                                                                                                                                                                                                                                                                                                                                                       US-10-078-929-89 ; Sequence 89, Application US/10078929
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: LOCATION: (863)
: OTHER INFORMATION: n equals a,t,g, or US-09-925-300-627
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Best Local Similarity 100.08;
Marches 24; Conservative
                                                                                                                                                                                                                                                                                                                                                                                    Patent No. US20020152497A1
                                                                                                                                                                                                                         APPLICANT:
                CURRENT APPLICATION NUMBER: US/10/078,929
CURRENT FILING DATE: 2002-02-19
PRIOR APPLICATION NUMBER: 09/566,394
                                                                             APPLICANT: Meyers, Blake
APPLICANT: Thorpe, Catherine
APPLICANT: Weng, Zude
TITLE OF INVENTION: Nucleic Acid Fragments Encoding Proteins Involved in
TITLE OF INVENTION: Stress Response
FILE REFERENCE: BB1357 US NA
                                                                                                                                                                                                                                                                     APPLICANT: Rafalski, Antoni
APPLICANT: Miao, Guo-Hua
APPLICANT: Falco, Saverio (
APPLICANT: Sakai, Hajime
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TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA101
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PRIOR FILING DATE: 2000-05-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
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Odell, Joan T.
Meyers, Blake
Thorpe, Catherine
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Sakai, Hajime
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US-09-925-300-384
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PRIOR FILING DATE: 1999-05-11
PRIOR PELICATION NUMBER: 60/133428
PRIOR FILING DATE: 1999-05-11
PRIOR APPLICATION NUMBER: 60/133438
PRIOR FILING DATE: 1999-05-11
PRIOR APPLICATION NUMBER: 60/133436
PRIOR FILING DATE: 1999-05-11
PRIOR FILING DATE: 1999-05-11
PRIOR FILING DATE: 1999-06-04
NUMBER: 0F SEQ ID NOS: 208
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SEQ ID NO 384
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SEQ ID NO 89
LENGTH: 939
                                                                                      Matches 24;
                                                                                                                              Query Match
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Best Local Similarity
Matches 24; Conserv
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PRIOR EILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR EILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
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TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA101
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                                                                                                                                                                               NAME/KEY: misc feature
LOCATION: (1015)
OTHER INFORMATION: n equals a,t,g, or
NAME/KEY: misc feature
LOCATION: (1026)
OTHER INFORMATION: n equals a,t,g, or
                                                                                                                                                                                                                                                                                                            NAME/KEY: misc feature
LOCATION: (1014)
OTHER INFORMATION: n equals a,t,g,
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PRIOR FILING DATE: 1999-05-07
PRIOR APPLICATION NUMBER: 60/133427
PRIOR FILING DATE: 1999-05-11
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                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
                                          1874 GTGTAAAAAAAAAAAAAAAAAAAA 1897
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978 GTGTAAAAAAAAAAAAAAAAAAA 1001
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                                                                             Match 1.3%; Score 24; DB Local Similarity 100.0%; Pred. No. 0.7 (es. 24; Conservative 0; Mismatches
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                                                                                                      DB 10;
. 0.73;
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SEQ ID NO 5
LENGTH: 1046
TYPE: DNA
ORGANISM: Ribes nigrum
                                                                                                                                                                                                                                                                                                                                                        ; TYPE: DNA; ORGANISM: Homo sapiens US-09-764-870-15
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                                                                                                        US-09-410-194-14
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                                                                                                                           RESULT 36
                                        Sequence 14, Application US/09410194 Patent No. US20020095030A1 GENERAL INFORMATION:
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APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 15, Application US/09764870 Patent No. US20020042386A1
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PRIOR APPLICATION NUMBER: 09/068,140
PRIOR FILING DATE: 1998-11-02
PRIOR APPLICATION NUMBER: PCT/EP/960-
PRIOR FILING DATE: 1996-11-04
PRIOR FILING DATE: 1996-11-04
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CURRENT APPLICATION NUMBER: US/09/800,528
CURRENT FILING DATE: 2001-03-07
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APPLICANT: Brennan, Rex Michael
TITLE OF INVENTION: BLACKCURRANT PROMOTERS AND GENES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/764,870 CURRENT FILING DATE: 2001-01-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR FILING DATE: 1996-11-04
PRIOR APPLICATION NUMBER: GB9
PRIOR FILING DATE: 1995-11-03
      APPLICANT: Tschopp, Jurg APPLICANT: Thome, Margo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILE REFERENCE: PT214
                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn Ver. 2.0
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                                                                                                                                                                                                                                                                                              Similarity
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Thome, Margor
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100.0%; Pred. No.
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; TYPE: DNA; ORGANISM: Homo sapiens; FEATURE: ; FEATURE: ; NAME/KEY: CDS; LOCATION: (394)...(1056) US-09-410-194-14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
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APPLICANT:
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CURRENT FILING DATE: 1999-09-30
PRIOR APPLICATION NUMBER: PCT/EP98/01857
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: GERMANY 197 13 393.2
PRIOR FILING DATE: 1997-04-01
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        TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P273091C20 CURRENT APPLICATION NUMBER: US/09/992,598 CURRENT FILING DATE: 2001-11-14
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TITLE OF INVENTION: FLIP GENES AND FLIP PROTEINS
FILE REFERENCE: 11141-002001
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PRIOR APPLICATION NUMBER: 60/049787
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Steiner, Veronique
                                                                                                                Watanabe, Colin K. Williams, P. Mickey Wood, William I.
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                                                                                                  Zhang, Zemin
                                                                                                                                                                    Tumas,
                                                                                                                                                                                  Roy, Margaret Ann
Stewart, Timothy A.
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                                                                                                                                                                    Daniel
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PRIOR PRILING DATE: 1998-06-10
PR APPLICATION NUMBER: 60/08
PR FILING DATE: 1998-06-11
PR APPLICATION NUMBER: 60/08
PR FILING DATE: 1998-06-11
PR APPLICATION NUMBER: 60/08
PR FILING DATE: 1998-06-11
PR APPLICATION NUMBER: 60/08
PR APPLICATION NUMBER: 60/08 OR APPLICATION NUMBER: 60/087609
OR FILING DATE: 1998-06-02
OR APPLICATION NUMBER: 60/087759
OR FILING DATE: 1998-06-02
OR APPLICATION NUMBER: 60/087827
OR FILING DATE: 1998-06-03
OR APPLICATION NUMBER: 60/088021
OR FILING DATE: 1998-06-04
OR APPLICATION NUMBER: 60/088025
OR FILING DATE: 1998-06-04
OR APPLICATION NUMBER: 60/088025
OR FILING DATE: 1998-06-04 R FILING DATE: 1998-06-05
R APPLICATION NUMBER: 60/08
R FILING DATE: 1998-06-09
RR APPLICATION NUMBER: 60/08
RFILING DATE: 1998-06-10
RR APPLICATION NUMBER: 60/08
RR FILING DATE: 1998-06-10 DR APPLICATION NUMBER: 60/088026
DR FILING DATE: 1998-06-04
DR APPLICATION NUMBER: 60/088028
DR FILING DATE: 1998-06-04
DR APPLICATION NUMBER: 60/088029
DR FILING DATE: 1998-06-04 R APPLICATION NUMBER: 60/01
R FILING DATE: 1998-06-04
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RF FILING DATE: 1998-06-04
RF FILING DATE: 1998-06-04
RR APPLICATION NUMBER: 60/01
RR FILING DATE: 1998-06-05 APPLICATION NUMBER: 60/088212 FILING DATE: 1998-06-05 APPLICATION NUMBER: 60/088217 APPLICATION NUMBER: 60/066770 FILING DATE: 1997-11-24 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-05 APPLICATION NUMBER: FILING DATE: 1998-06 APPLICATION NUMBER: FILING DATE: 1998-0 APPLICATION NUMBER: 60/ FILING DATE: 1998-03-20 APPLICATION NUMBER: 60/ FILING DATE: 1998-04-28 FILING DATE: APPLICATION NUMBER: FILING DATE: 1997-11-1 APPLICATION NUMBER: 60/062250 FILING DATE: 1997-10-17 APPLICATION NUMBER: 60/065186 FILING DATE: 1997-11-12 FILING DATE: 1998-05-07 APPLICATION NUMBER: 60/084600 APPLICATION NUMBER: NUMBER: 1998-06-02 1998-05-28 1998-02-018880/09 60/089105 60/088876 60/088861 60/088858 60/088824 60/088742 60/088738 60/088734 60/088655 60/088202 60/088826 60/088167 60/088326 60/088033 60/087607 60/088030 60/087106 60/078910 60/075945 60/083322 60/065311

PRIOR FILING DATE: 1998-06-17
PRIOR FILING DATE: 1998-06-17
PRIOR PRIOR FILING DATE: 1998-06-17
PRIOR PRIOR PRIOR APPLICATION NUMBER: 60/089509
PRIOR PRIOR PRIOR APPLICATION NUMBER: 60/089600
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PRIOR PRIOR PRILING DATE: 1998-06-18
PRIOR PRILING DATE: 1998-06-18
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PRIOR PRILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/08994
PRIOR APPLICATION NUMBER: 60/08994
PRIOR PRILING DATE: 1998-06-19
PRIOR PRILING DATE: 1998-06-19
PRIOR PRILING DATE: 1998-06-22
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PRIOR PRILING DATE: 1998-06-23
PRIOR PRILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/09045
PRIOR PRILING DATE: 1998-06-24
PRIOR PRICING DATE: 1998-06-24
PRIOR PRICING DATE: 1998-06-24
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fr FILING DATE: 1998-06-25
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APPLICATION 1998-06-24 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-24 FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-25 APPLICATION NUMBER: 60/0 FTILING DATE: 1998-06-25 FILING DATE: 1998-06 APPLICATION NUMBER: APPLICATION NUMBER: FILING DATE: FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/ APPLICATION NUMBER: FILING DATE: 1998-0 APPLICATION NUMBER: 60/089532 FILING DATE: 1998-06-17 APPLICATION NUMBER: FILING DATE: 1998-00 APPLICATION NUMBER: FILING DATE: 1998-06-16 DATE: 1998-06-16 ATTON NUMBER: 60/089512 1998-06-26 NUMBER: 60/089598 1998-06-17 1998-06-24 1998-06-17 1998-06-16 60/090696 60/090695 60/090694 60/090690 60/090678 60/090557 60/090542 60/090676 60/090540 60/090535 60/090472 60/089514 60/089538

60/087106

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60/087827 60/087759

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US-09-989-722-286
CURRENT APPLICATION NUMBER: US/09/989,722
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/06250
PRIOR APPLICATION NUMBER: 60/065186
PRIOR APPLICATION NUMBER: 60/065116
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/06570
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                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2730P1C63
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APPLICATION NUMBER: 60/091544
FILING DATE: 1998-07-01
APPLICATION NUMBER: 60/091519
FILING DATE: 1998-07-02
FILING DATE: 1998-07-02
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FILING DATE: 1998-07-02
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FILING DATE: 1998-06-26
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Baker, Kevin P.
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Williams, P. Mickey
Wood, William I.
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Godowski, Paul J.
Grimaldi, J.Christopher
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PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
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PRIOR APPLICATION NUMBER: 60/083322
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DR APPLICATION NUMBER: 60/088824
DR FILING DATE: 1998-06-10
DR APPLICATION NUMBER: 60/088826
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DR APPLICATION NUMBER: 60/088858
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DR FILING DATE: 1998-06-10
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APPLICATION NUMBER: 60/088217
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APPLICATION NUMBER: 60/088655
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APPLICATION NUMBER: 60/088326
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APPLICATION NUMBER: 60/089440
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PRIOR APPLICATION NUMBER: 60/091519
PRIOR EILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
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APPLICANT: Zhang, Zemin 1.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE OF INVENTION (1970) 100 the Same FILE OF TRIVENTION NUMBER: US/09/989,723

CURRENT FILING DATE: 2001-11-19

PRIOR APPLICATION NUMBER: 60/049787

PRIOR APPLICATION NUMBER: 60/04250

PRIOR FILING DATE: 1997-10-17

PRIOR FILING DATE: 1997-10-17

PRIOR FILING DATE: 1997-11-12

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-12

PRIOR APPLICATION NUMBER: 60/065311
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APPLICANT:
APPLICANT:
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OR FILING DATE: 1997-11-13
OR APPLICATION NUMBER: 60/066770
OR FILING DATE: 1997-11-24
OR APPLICATION NUMBER: 60/075945
OR FILING DATE: 1998-02-25
APPLICATION NUMBER: 60/078910
FILING DATE: 1998-03-20
APPLICATION NUMBER: 60/083322
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 60/091982
FILING DATE: 1998-07-07
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Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A.
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Gerritsen, Mary E.
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Botstein, David
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Pred. No.
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OR APPLICATION NUMBER: 60/087759
OR FILING DATE: 1998-06-02
OR FILING DATE: 1998-06-03
OR FILING DATE: 1998-06-03
OR APPLICATION NUMBER: 60/088021
OR APPLICATION NUMBER: 60/088025
OR APPLICATION NUMBER: 60/088025
OR APPLICATION NUMBER: 60/088025
OR FILING DATE: 1998-06-04

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FILING DATE: 1998-05-28
APPLICATION NUMBER: 60/087607
FILING DATE: 1998-06-02
APPLICATION NUMBER: 60/087609
FILING DATE: 1998-06-02

APPLICATION NUMBER: 60/084600 FILING DATE: 1998-05-07

APPLICATION NUMBER:

60/087106

PRIOR PRIOR

APPLICATION NUMBER: 60/088028 FILING DATE: 1998-06-04

APPLICATION NUMBER: 60/088026 FILING DATE: 1998-06-04

APPLICATION NUMBER: 60/088029 FILING DATE: 1998-06-04 APPLICATION NUMBER: 60/088030

PRIOR PRIOR PRIOR PRIOR PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/0
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/0 PRIOR FILING DATE: 1998-06-18 PRIOR OR FILING DATE: 1998-06-22
OR APPLICATION NUMBER: 60/090349
OR APPLICATION NUMBER: 60/090355
OR APPLICATION NUMBER: 60/090355
OR FILING DATE: 1998-06-23
OR APPLICATION NUMBER: 60/090429
OR FILING DATE: 1998-06-24
OR APPLICATION NUMBER: 60/090431
OR FILING DATE: 1998-06-24
OR APPLICATION NUMBER: 60/090443
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OR FILING DATE: 1998-06-24
OR APPLICATION NUMBER: 60/090444
OR FILING DATE: 1998-06-24
OR APPLICATION NUMBER: 60/090445
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OR FILING DATE: 1998-06-24 R APPLICATION NUMBER: 60/091478
RR FILING DATE: 1998-07-02
RR APPLICATION NUMBER: 60/091544
RR FILING DATE: 1998-07-01
RR APPLICATION NUMBER: 60/091519
RR FILING DATE: 1998-07-02 APPLICATION NUMBER: FILING DATE: 1998-06 APPLICATION NUMBER: APPLICATION NUMBER: 60/089948 FILING DATE: 1998-06-19 APPLICATION NUMBER: 60/089952 FILING DATE: 1998-06-19 FILING DATE: 1998-06 APPLICATION NUMBER: APPLICATION NUMBER: 60/089908 APPLICATION NUMBER: FILING DATE: 1998-0 APPLICATION NUMBER: FILING DATE: 1998-06-19 FILING DATE: 1998-06-25 APPLICATION NUMBER: 60/0 FILING DATE: 1998-06-26 FILING DATE: 1998-06-25 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-25 FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/090676 APPLICATION NUMBER: 60/090542
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090557
FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/090535 FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/090540 APPLICATION NUMBER: 60/090863 FILING DATE: 1998-06-26 APPLICATION NUMBER: 60/091360 FILING DATE: 1998-07-01 FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090690
FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090694 APPLICATION NUMBER: 60/090678 APPLICATION NUMBER: FILING DATE: APPLICATION FILING DATE: APPLICATION NUMBER: 60/091626 FILING DATE: 1998-07-02 NUMBER: 60/091633 1998-06-22 1998-06-18 1998-06-18 1998-06-24 1998-06-22 60/089653 60/090254 60/090252 60/090246 60/089947 60/089907 60/089801 60/090696 60/090695 60/090862

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DR FILING DATE: 1998-06-04

OR APPLICATION NUMBER: 60/088033

OR FILING DATE: 1998-06-04

OR APPLICATION NUMBER: 60/088326

OR FILING DATE: 1998-06-04

OR APPLICATION NUMBER: 60/088167

OR APPLICATION NUMBER: 60/088202

OR APPLICATION NUMBER: 60/088202

OR FILING DATE: 1998-06-05

OR APPLICATION NUMBER: 60/088212

OR FILING DATE: 1998-06-05

OR APPLICATION NUMBER: 60/088212

OR APPLICATION NUMBER: 60/088217

OR FILING DATE: 1998-06-05

OR FILING DATE: 1998-06-05

OR FILING DATE: 1998-06-05

OR FILING DATE: 1998-06-05

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DR APPLICATION NUMBER: 60/088826
DR FILING DATE: 1998-06-10
DR APPLICATION NUMBER: 60/08858
DR FILING DATE: 1998-06-11
DR APPLICATION NUMBER: 60/088861
DR APPLICATION NUMBER: 60/088876
DR FILING DATE: 1998-06-11
DR FILING DATE: 1998-06-11
DR FILING DATE: 1998-06-11

PRIOR

APPLICATION NUMBER: 60/089105 FILING DATE: 1998-06-12

DR APPLICATION NUMBER: 60/089538

DR FILING DATE: 1998-06-17

PR APPLICATION NUMBER: 60/089598

DR FILING DATE: 1998-06-17

DR APPLICATION NUMBER: 60/089599

DR FILING DATE: 1998-06-17

DR APPLICATION NUMBER: 60/089600

DR APPLICATION NUMBER: 60/089600

FILING DATE: 1998-06-16 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-17

60/089532

APPLICATION NUMBER: 60/089514 FILING DATE: 1998-06-16

APPLICATION NUMBER: 60/ FILING DATE: 1998-06-16 APPLICATION NUMBER: 60/

60/089440 5-16 60/089512

FILING DATE: 1998-06-16

PRIOR PRIOR PRIOR

PRIOR PRIOR

APPLICATION NUMBER: 60/088824 FILING DATE: 1998-06-10

PRIOR PRIOR

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DR APPLICATION NUMBER: 60/088655
DR FILING DATE: 1998-06-09
DR FILING DATE: 1998-06-10
DR APPLICATION NUMBER: 60/088734
DR APPLICATION NUMBER: 60/088738
DR FILING DATE: 1998-06-10
DR APPLICATION NUMBER: 60/088742
DR FILING DATE: 1998-06-10
DR APPLICATION NUMBER: 60/088810
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60/088025 60/088026

FILING DATE: 1998-06 APPLICATION NUMBER:

1998-06-04 1998-06-03

60/088021 60/087827 60/087759

APPLICATION NUMBER: FILING DATE: 1998-0

APPLICATION NUMBER: 60/ FILING DATE: 1998-06-04

FILING DATE:

1998-06-04 1998-06-04

APPLICATION NUMBER: FILING DATE: 1998-06

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60/088033 60/088030 60/088029 60/088028

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CURRENT APPLICATION NUMBER: US/09/989,279
CURRENT FILING DATE: 2001-11.
                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: 60/49787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09
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              DR FILING DATE: 1998-04-28
BR APPLICATION NUMBER: 60/084600
DR FILING DATE: 1998-05-07
DR APPLICATION NUMBER: 60/087106
DR FILING DATE: 1998-05-28
DR APPLICATION NUMBER: 60/087607
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                                                                                                                                                                                                                                              OR APPLICATION NUMBER: 60/065186
OR FILING DATE: 1997-11-12
OR APPLICATION NUMBER: 60/065311
OR FILING DATE: 1997-11-13
OR APPLICATION NUMBER: 60/066770
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FILING DATE: 1998-02-25
                                                                                                                                                  APPLICATION NUMBER: 60/083322
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Goddard, Audrey
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Williams, P. Mickey
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Paoni, Nicholas F.
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Kljavin, Ivar J.
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llarity 100.0%; F
Conservative 0;
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art, Timothy A.
NUMBER:
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Pred No.
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PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR FPLICATION NUMBER: 60/088212
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                      DR APPLICATION NUMBER: 60/08
R FILING DATE: 1998-06-17
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60/088861 60/088858 60/088826 60/088824 60/088810 60/088742 60/088738 60/088734

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FILING DATE: 1998-06-22
APPLICATION NUMBER: 60/090349
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FILING DATE: 1998-06-23
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APPLICATION NUMBER: 60/090252
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APPLICATION NUMBER: 60/091633
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APPLICANT:
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PRIOR FILING DATE: 1997-11-12
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R APPLICATION NUMBER: 60/08
R FILING DATE: 1998-06-02
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                              FILING DATE: 1998-06-02
APPLICATION NUMBER: 60/087827
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Baker, Kevin P.
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Godowski, Paul J.
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Gerritsen, Mary E
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Williams, P. Mickey
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Stewart, Timothy A.
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DR FILING DATE: 1998-06-17
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APPLICATION NUMBER: 60/090246
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RESULT 42
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                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 60/083322
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR APPLICATION NUMBER: 60/0847106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PLC70
CURRENT APPLICATION NUMBER: US/09/989,731
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 60/049787
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR FILING DATE: 1997-06-16
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FILING DATE: 1998-06-03
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APPLICATION NUMBER: 60/087607
FILING DATE: 1998-06-02
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Baker, Kevin P.
Botstein, David
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Grimaldi, J.Christopher
Gurney, Austin L.
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Williams, P. Mici
Wood, William I.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Paoni,
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art, Timothy A.
                NUMBER: 60/088028
                                                         NUMBER: 60/088026
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P. Mickey
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PRIOR PRIOR OR FILING DATE: 1998-06-04
OR APPLICATION NUMBER: 60/080033
OR FILING DATE: 1998-06-04
OR APPLICATION NUMBER: 60/080326
OR FILING DATE: 1998-06-04
OR APPLICATION NUMBER: 60/080167
OR APPLICATION NUMBER: 60/080202
OR APPLICATION NUMBER: 60/080202 FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088826
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088858
FILING DATE: 1998-06-11 APPLICATION NUMBER: 60/088742
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088810
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088824 APPLICATION NUMBER: 60/088734
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088738 FILING DATE: 1998-06-05 APPLICATION NUMBER: 60/088655 FILING DATE: 1998-06-09 APPLICATION NUMBER: 60/088217 FILING DATE: 1998-06-04
APPLICATION NUMBER: 60/088030 APPLICATION NUMBER: 60/088876 FILING DATE: 1998-06-11 APPLICATION NUMBER: 60/089105 FILING DATE: APPLICATION NUMBER: 60/088212 FILING DATE: 1998-06-22 APPLICATION NUMBER: 60/ FILING DATE: 1998-06-22 APPLICATION NUMBER: 60/089908 FILING DATE: 1998-06-18 APPLICATION NUMBER: 60/089947 FILING DATE: 1998-06-19 APPLICATION NUMBER: 60/089948 FILING DATE: 1998-06-18 APPLICATION NUMBER: 60/089907 FILING DATE: 1998-06-18 APPLICATION NUMBER: 60/089653 FILING DATE: 1998-06-17 APPLICATION NUMBER: 60/089801 APPLICATION NUMBER: 60/089600 FILING DATE: 1998-06-17 FILING DATE: 1998-06 APPLICATION NUMBER: FILING DATE: 1998-06 APPLICATION NUMBER: 60/089598 FILING DATE: 1998-06-17 FILING DATE: 1998-0 APPLICATION NUMBER: FILING DATE: 1998-0 APPLICATION NUMBER: 60/089514 FILING DATE: 1998-06-16 APPLICATION NUMBER: FILING DATE: 1998-06 APPLICATION NUMBER: FILING DATE: 1998-0 APPLICATION NUMBER: FILING DATE: 1998-0 APPLICATION NUMBER: 60/089532 FILING DATE: 1998-06-16 APPLICATION NUMBER: 60/089512 FILING DATE: APPLICATION NUMBER: APPLICATION NUMBER: FILING DATE: 1998-06-19 1998-06-1998-06-17 1998-06-1998-06-1998-06-10 1998-06-1998-06-1 60/090252 60/090246 60/089440 60/088861 60/089952 60/089538

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US-09-989-732-286
; Sequence 286, Application US/09989732
; Patent No. US20020123463A1
; GENERAL INFORMATION:
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Baker, Kevin P.
Botstein, David
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Stewart, Timothy
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OR APPLICATION NUMBER: 60/089948
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OR APPLICATION NUMBER: 60/089948
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GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
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Fong, Sherman
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OR APPLICATION NUMBER: 60/065311

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APPLICATION NUMBER: 60/088026
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Williams, P. Mickey
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Roy, Margaret Ann
Stewart, Timothy A.
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Gerritsen, Mary E.
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PRIOR APPLICATION NUMBER: 60/089599
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PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
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PRIOR APPLICATION NUMBER: 60/089598
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PRIOR APPLICATION NUMBER: 60/088826
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PRIOR APPLICATION NUMBER: 60/088858
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PRIOR APPLICATION NUMBER: 60/088861
PRIOR APPLICATION NUMBER: 60/088876
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US-09-990-442-286
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Best Local Similarity
Matches 24; Conserv
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APPLICATION NUMBER: 60/091982
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APPLICATION NUMBER: 60/090694
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                        Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, Audrey
Godowski, Paul J.
Grimaldi, J.Christopher
Kljavin, Ivar J.
          Gurney, Austin L.
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TITLE OF INVENTION: Securititle OF INVENTION: Acids Encoding the securities of invention: Acids encoding the securities of invention number: 05/09/990,442 CURRENT APPLICATION NUMBER: 60/049787 PRIOR APPLICATION NUMBER: 60/062250
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PRIOR APPLICATION NUMBER: 60/084600
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PRIOR APPLICATION NUMBER: 60/062250
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PRIOR FILING DATE: 1997-11-13
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APPLICATION NUMBER: 60/075945
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APPLICATION NUMBER: 60/087827
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APPLICATION NUMBER: 60/088326
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Paoni, Nicholas F.
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Search completed: November Job time: 121.442 secs 8, 2002, 02:07:35

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Post-processing: Listing first 45 summaries
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

17 18 19 20 21	c 12 c 13 14 15	1 2 2 3 3 4 4 6 6 7 7 7 11	Result No.
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APPLICANT: XI, Jiangchun

APPLICANT: Stolk, John A.

APPLICANT: Stolk, John A.

APPLICANT: Algate, Paul A.

APPLICANT: Fling, Steven P.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE

TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CA

FILE REFERENCE: 210121.484C5

CURRENT APPLICATION NUMBER: US/09/825,294

CURRENT ETLING DATE: 2001-04-03

NUMBER OF SEQ ID NOS: 215

SOFTWARE: FASTSEQ for Windows Version 3.0

SEQ ID NO 214

LENGTH: 1897
                                                                                                                                    ; NAME/KEY: misc_feature
; LOCATION: (1)...(1897)
; OTHER INFORMATION: n =
US-09-825-294-214
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US-09-825-294-214
                                                                                Query Match
Best Local Simi
Matches 1897;
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                                                                                                                                                                                        TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
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CURRENT FILING DATE: 2001-10-02
NUMBER OF SEQ ID NOS: 215
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 214
LENGTH: 1897
                                                                                                                                       Sequence 214, Application US/09970966
GENERAL INFORMATION:
APPLICANT: Stolk, John A.
APPLICANT: Holesh, David Alan
APPLICANT: Fling, Steven P.
APPLICANT: Xu, Jiangchun
Query Match
                                                                                                           TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER FILE REFERENCE: 210121.484C6
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Sequence 214, Application US/10212677

Sequence 214, Application US/10212677

GENERAL INFORMATION:

APPLICANT: Chenault, Ruth A.

APPLICANT: Xu, Jiangchun

APPLICANT: Fanger, Gary R.

APPLICANT: Harlocker, Susan L.

APPLICANT: McNeill, Patricia D.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER

FILE REFERENCE: 201021.464C7

CURRENT APPLICATION NUMBER: US/10/212,677

CURRENT FILING DATE: 2002-08-02
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RESULT 5
PCT-US02-29964-16
; Sequence 16, Application PC/TUS0229964
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
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FILE REFERENCE: 809ACIP PCT
CURRENT APPLICATION NUMBER: PCT/US02/2964
CURRENT FILING DATE: 2002-09-19
PRIOR APPLICATION NUMBER: US 60/323,739
PRIOR APPLICATION NUMBER: US 09/488,725
PRIOR APPLICATION NUMBER: US 09/552,317
PRIOR FILING DATE: 2000-01-21
PRIOR PPLICATION NUMBER: US 09/552,317
PRIOR APPLICATION NUMBER: PCT/US00/35017
PRIOR APPLICATION NUMBER: PCT/US00/35017
PRIOR APPLICATION NUMBER: US 09/491,404
PRIOR APPLICATION NUMBER: US 09/491,914
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; LOCATION: (338)..(763)
PCT-US02-29964-16
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NUMBER OF SEQ ID NOS: 992
SOFTWARE: pt_FL_genes Version 6.0
SEQ ID NO 16
LENGTH: 1967
                                                                                                                                                                                                                                                                                                                                                                                         Matches 1868;
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Best Local :
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FILING DATE: 2000-04-27
APPLICATION NUMBER: PCT/US01/03800
FILING DATE: 2001-02-05
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AATGTGGGTCCTAGGCATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGC
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Similarity 99.8%;
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Zhao, Qing A.
Wang, Jian-Rui
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Asundi, Vinod
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                                                             TTGCAGAGGACTGGCGCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGT
                                                                                           TTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGT 1338
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CURRENT APPLICATION NUMBER: US/09/397,022
CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,465
PRIOR FILING DATE: 1998-09-15
PRIOR APPLICATION NUMBER: 60/106,443
PRIOR FILING DATE: 1998-10-30
PRIOR APPLICATION NUMBER: 60/107,257
PRIOR APPLICATION NUMBER: 60/107,257
PRIOR FILING DATE: 1998-11-05
PRIOR FILING DATE: 1998-01-30
PRIOR APPLICATION NUMBER: 60/126,906
PRIOR APPLICATION NUMBER: 60/126,906
PRIOR APPLICATION NUMBER: 60/126,906
PRIOR APPLICATION NUMBER: 60/132,099
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 5775
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NUMBER OF SEQ ID NOS:
SOFTWARE: FastSEQ for
SEQ ID NO 4454
LENGTH: 1918
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                                                              Matches 1864; Conservative
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM FILE OF INVENTION: HUMAN FETAL SKIN LIBRARY FILE REFERENCE: MLN98-460M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Gearing, I APPLICANT: Holtzman,
                                                                                                                                                                         TYPE: DNA
                                                                                                                                                   ORGANISM: Homo sapiens
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                                                              TAAAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAA 1774
                                                                                                         TAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAA 1758
                                                                                                                                                                                 TCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGA 1638
                                                                                                                                                                                                                                  GGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCA
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                              CACGAGCAGGAGGGAGAGAGAAAAAGAAAACACAGCATGAGAACACAGTAAATGAA 1698
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TITLE OF INVENTION: HUMAN FETAL SKIN LIBRARY
FILE REFERENCE: 1600.1046-002
CURRENT APPLICATION NUMBER: US/09/808,383
CURRENT FILING DATE: 2001-03-13
PRIOR APPLICATION NUMBER: US 09/397,022
PRIOR APPLICATION NUMBER: US 60/100,465
PRIOR APPLICATION NUMBER: US 60/100,465
PRIOR FILING DATE: 1998-09-15
PRIOR APPLICATION NUMBER: US 60/106,443
PRIOR APPLICATION NUMBER: US 60/107,257
PRIOR APPLICATION NUMBER: US 60/107,257
PRIOR FILING DATE: 1998-10-30
PRIOR FILING DATE: 1998-10-30
PRIOR FILING DATE: 1998-10-30 RESULT 7 US-09-808-383-4454 Sequence 4454, Application US/09808383 GENERAL INFORMATION: APPLICANT: Gearing, David P. APPLICANT: Holtzman, Douglas A. APPLICANT: Holtzman, Douglas A.
TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED
TITLE OF INVENTION: HUMAN FETAL SKIN LIBRARY

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; ORGANISM: HOMO
US-09-808-383-4454
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Best Local
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LENGTH: 1918
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PRIOR FILING DATE: 1999-03-30
PRIOR APPLICATION NUMBER: US 60/132,099
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 5775
SOFTWARE: F3stSEQ for Windows Version 4.
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                   ATAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGT
                                                                           ACCCCCACCTCACGTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGG 798
                                                                                                       CCTCAGGCCAGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACA
                                                                                                                                                             CCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTTCTCGGCACA 678
                                                                                                                                                                                                                                                                                                                                      ACCCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGG
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                                      TTCAAACCCGGGGGAGTTGGCTGTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGTA
                                               TTCAAACCCGGGGGAGTTGGCTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGTA 1878
                                                                                CACGAGCAGGAGGGAGAGACAGAGAAAAGAAAACACAGCATGAGAACACAGTAAATGAA 1698
                                                                                                                                                                                                                                                                                                          TCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGA
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                                                                                                                                                                                                                                                                                                                                                                                                             CGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACA 1398
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RESULT

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FILE REFERENCE: 1600.1188-001
CURRENT APPLICATION NUMBER: US/09/652,12
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/151,129
PRIOR FILING DATE: 199-08-30
NUMBER OF SEQ ID NOS: 7615
SOFTWARE: FASTSEQ for Windows Version 4
SEQ ID NO 7293
LENGTH: 1925
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; ORGANISM: Homo sapiens
US-09-652-121-7293
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Sequence 7293, Application US/09652121
GENERAL INFORMATION:
APPLICANT: DIStefano, Peter
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES
TITLE OF INVENTION: THEREFOR
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Best Local Similarity
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                                                                                                 CTGCAACACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGC
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ACCCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGG 798
                                           CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCA 1169
                                                        CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCCTCGCCCCCA 738
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Pred. No. 0;
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APPLICANT: Shylan, Andrew W.
APPLICANT: HOILZMAN, Douglas A.
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: HEREFOR
FILE REFERENCE: 1600.1171-001
CURRENT APPLICATION NUMBER: US.00/652,128
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/151,133
PRIOR APPLICATION NUMBER: 60/151,133
PRIOR FILING DATE: 1999-08-30
NUMBER OF SEQ ID NOS: 10265
SOFTWARE: FASTSEQ FOR WINDOWS Version 4.0
SEQ ID NO 9375
LENGTH: 1925
TYPE: DNA
ORGANISM: Homo sapiens
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US-09-652-917-3346/c ; Sequence 3346, Application US/09652917 ; GENERAL INFORMATION:
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LENGTH: 1925
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Best Local Similarity
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CURRENT APPLICATION NUMBER: US/09/652,917
CURRENT FILING DATE: 2000-08-30
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SOFTWARE: FastSEQ for Windo
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 CCTCAGGCCAGGGCTCCGCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACA 678
                                                CTGCAACACCCCTTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGC 618
                                                                                                               CTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTG 558
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                                 CTGCAACACCCCTCTTTGTAACGGGCCCAAGGCCCAAGAAAAGGGGGAAGTTCTGCCTCGGC
                                                                                              CTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTG 1349
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Db Qy	1288
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Qу	799 1108
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Qy	9
Qy :	1159
Дb	748
Qy	1219
Qу	1279
Db	628
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Qy	9
Db	508
Qy	1459
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Qy	ω.
Db X	0 (
Qy	1699

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APPLICANT: Curtis, Rory A.J.
APPLICANT: Silos-Santiago, Inmaculada
APPLICANT: Distefano, Peter
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USE
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.2020-001
CURRENT APPLICATION NUMBER: US/09/699,997
CURRENT FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: 60/162,359
PRIOR FILING DATE: 1999-10-29
NUMBER OF SEQ ID NOS: 12714
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 11085
LENGTH: 1925
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US-09-699-997-11085/c
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Best Local :
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CTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTG 558
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                                                            GCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGC
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                          TCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGA 1638
                                                                                TGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCC
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                                                                                                                                                   GGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGGAGAAGGGGAGGAGGATCA 1518
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APPLICANT: Hunter, John J.
APPLICANT: StyJan, Andrew W.
APPLICANT: StyJan, Andrew W.
APPLICANT: Stbdal, Hilde
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.2036-001
CURRENT APPLICATION NUMBER: US/09/710,281
CURRENT FILING DATE: 2000-11-10
PRIOR APPLICATION NUMBER: 60/164,254
PRIOR FILING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 5803
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4458
LENGTH: 1925
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APPLICANT: Gearing, David P.
APPLICANT: Holtzman, Douglas A.
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.2017-001
CURRENT APPLICATION NUMBER: US/09/726,805
CURRENT FILING DATE: 2000-11-30
PRIOR APPLICATION NUMBER: 60/168,140
PRIOR FILING DATE: 1999-11-30
NUMBER OF SEQ ID NOS: 2158
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1608
LENGTH: 1925
TYPE: DNA
ORGANISM: Homo Sapiens
US-09-726-805-1608
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APPLICANT: Glucksmann, M. Alexandra
TITLE OF INVENTION: NUCLECT ACID MOLECULES DE!
TITLE OF INVENTION: NUCLECT ACID MOLECULES
TITLE OF INVENTION: HUMAN BRAIN LIBRARY
FILE REFERENCE: MLN98-37PA
CURRENT APPLICATION NUMBER: US/09/371.168
CURRENT FILING DATE: 1999-08-10
EARLIER APPLICATION NUMBER: 60/095,907
EARLIER FILING DATE: 1998-08-10
EARLIER APPLICATION NUMBER: 60/103,145
EARLIER FILING DATE: 1998-10-05
NUMBER: FastSEQ for Windows Version 3.0
SEQ ID NO 7188
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Best Local Similarity
Matches 1857; Conser
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APPLICANT: Silos-Santiago, Inmaculada
APPLICANT: HOLTZMAN, Douglas A.
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFORE
FILE REFERENCE: 1600.1169-001
CURRENT APPLICATION NUMBER: US/09/644,873
CURRENT FILING DATE: 2000-08-28
PRIOR APPLICATION NUMBER: 60/151,064
PRIOR APPLICATION NUMBER: 60/151,064
PRIOR FILLING DATE: 1999-08-27
NUMBER OF SEQ ID NOS: 11286
SOFTWARE: FASTSEQ for Windows Version 4.0
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Best Local
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                           CTCCGCTGCTGTCGCCTCTGATGCGCTTGCCCTCTCCCGGGCCCCGGGACTCCGGGAG
                                                        CGCGGCAGCAGCGCGGGCCAGCAGCCAGCCAGCCGCTGCAGCCGGGGCAGC
                                                                                     CGCGGCAGCAGCGGGGCCCCAGCAGCCTCGGCAGCCACAGCCGCTGCAGCCGGGGGCAGC 198
                                                                                                                                                                              GGTGCTCGGCCCGGGAGCGCGAGCGGGAGGAGCAGAGACCCGGCAGCCGGGAGCCCGAGCG 78
           TTTCAAACCCGGGGGAGTTGGCTGTGTTAAAGAAAGACACCATTAAATGCTTTAGACACTGT 1877
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                                                          GACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTC
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                                                                                                                     GCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGG
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APPLICANT: MCCarthy, Sean A.
TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLE
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.1180-001
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/151,128
PRIOR APPLICATION NUMBER: 60/151,128
PRIOR FILING DATE: 1999-08-30
NUMBER OF SEQ ID NOS: 10105
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 9370
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US-09-652-109-9370
US-09-652-109-9370, Application US/09652109
GENERAL INFORMATION:
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US-09-652-121-6191
Sequence 6191, Appl
GENERAL INFORMATION
APPLICANT: DISC,
TITLE OF INVENTION
FILE REFERENCE:
CURRENT APPLICAT
CURRENT FILING DAT
CURRENT FILING DAT
PRIOR APPLICATION
PRIOR FILING DAT
NUMBER OF SEQ ID
SOFTWARE: FastS
SEQ ID NO 6191
LENGTH: 1917
                                                                                                                               Sequence 611, Application US/09652121
GENERAL INFORMATION:
APPLICANT: Distefano, Peter
TITLE OF INVENTION: MOVEL NUCLEIC ACID MOLECULES AND TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.1188-001
CURRENT APPLICATION NUMBER: US/09/652,121
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/151,129
PRIOR FILING DATE: 1999-08-30
NUMBER OF SEQ ID NOS: 7615
SOFTWARE: FastSEQ for Windows Version 4.0
TYPE: DNA
ORGANISM: 1917
TYPE: DNA
ORGANISM: OF SECONDARY OF SEC
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Best Local Similarity
Matches 1857; Conserv
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                                  Conservative
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                              Score 1587; DB 25;
Pred. No. 1.2e-298;
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                                AACCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCG
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PRIOR FILING DATE: 1999-08-30
NUMBER OF SEQ ID NOS: 10265
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 7518
LENGTH: 1917
                                                                                                                                                     Sequence 7518, Application US/09652128
GENERAL INFORMATION:
APPLICANT: Shyjan, Andrew W.
APPLICANT: Holtzman, Douglas A.
                                                                  TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES TITLE OF INVENTION: THEREFOR FILE REFERENCE: 1600.1171-001 CURRENT APPLICATION NUMBER: US/09/652,128 CURRENT FILING DATE: 2000-08-30 PRIOR APPLICATION NUMBER: 60/151,133
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US-09-652-355-9112

Sequence 9112, Application US/09652355

GENERAL INFORMATION:

APPLICANT: Shyjan, Andrew W.

TITLE OF INVENTION: NOVEL NUCLEIC ACID MOLECULES

TITLE OF INVENTION: THEREOR

FILE REFERENCE: 1600.1192-001

CURRENT APPLICATION NUMBER: US/09/652,355
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RESULT 20 US-09-652-914-8473

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Sequence 8473, Application US/09652914
GENERAL INFORMATION:
APPLICANT: Shylan, Andrew W.
TITLE OF INVENTION: MOVEL NUCLEIC ACID MOLE
TITLE OF INVENTION: THEREFOR
FILL REFERENCE: 1600.1193-001
CURRENT APPLICATION NUMBER: US/09/652,914
CURRENT FILING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: 60/152,112
PRIOR APPLICATION NUMBER: 60/152,112
PRIOR FILING DATE: 1999-08-31
NUMBER OF SEQ ID NOS: 9677
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 8473
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Best Local Similarity 99.8%;
Matches 1857; Conservation
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ORGANISM: Homo sapiens
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AACCCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCG
                                             CCCTCAGGCCAGGGCTCCGCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCAC
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                                                                  ACACGAGCAGGAGGGAGAGACAGAGAAAAGAAAACACAGCATGAGAACACAGTAAATAA 1712
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                                                     CTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAG
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SEQ ID NO 2477
LENGTH: 1917
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Best Local Similarity
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US-09-652-917-2477

Sequence 2477, Application US/09652917

GENERAL INFORMATION:
APPLICANT: Shyjan, Andrew W.
APPLICANT: Shyjan, Andrew W.
APPLICANT: Distefano, Douglas A.
APPLICANT: Distefano, Peter
ITITLE OF INVENTION: NOVEL NUCLEIC ACID MOLE
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: 1600.1170-001
CURRENT APPLICATION NUMBER: US/09/652,917
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 65/151,422
PRIOR FILING DATE: 1999-08-30
NUMBER OF SEQ ID NOS: 3855
CCCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTTCTCGGCAC
                                                       GCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCT-GAACAACGACTGCTCCTCCC
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Pred. No. 1.2e-298;
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                                                  ACACGAGCAGGAGGAGAGACACAGAGAAAAGAAAAACACAGCATGAGAACACACAGTAAATGA 1697
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PRIOR FILING DATE: 1998-10-05
NUMBER OF SEQ ID NOS: 8285
SOFTWARE: FASTSEQ for Windows Version
SEQ ID NO 7188
LENGTH: 1917
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 7188, Application US/09801833 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 83.7%;
Best Local Similarity 99.8%;
Matches 1857; Conservative
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CURRENT APPLICATION NUMBER: US/09/801,833
CURRENT FILING DATE: 2001-03-13
PRIOR APPLICATION NUMBER: 09/371,168
PRIOR EILING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: 60/095,907
PRIOR EILING DATE: 1998-08-10
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                                                        GCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTAGAACAACGACTGCTCCTCCC
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Pred. No. 1.2e-298;
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                                              AGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGAGGATC 1517
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APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: 49 Human Secreted Proteins
FILE REFERENCE: PS549PCT
CURRENT APPLICATION NUMBER: PCT/US00/09066
CURRENT FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: 60/128,694
PRIOR FILING DATE: 1999-04-09
PRIOR PELING DATE: 1999-04-09
PRIOR PELING DATE: 2000-01-20
NUMBER OF SEQ ID NOS: 156
SOFTWARE: Patentin Ver. 2.0
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LOCATION: (1362)
OTHER INFORMATION: n equals a,t,g, or
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TYPE: DNA
ORGANISM: Homo sapiens
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AATGTGGGTCCTAGGCATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGC
             AATGTGGGTCCTAGGCATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGC
                                                 CTCCGCTGCTGTCGCCTCTGATGCGCTTGCCCTCTCCCGGCCCCCGGGACTCCGGGAG
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Pred. No. 1.9e-298;
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-	379 1575	CGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGAA	38 516
•	439 1515	GCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCAGCGGCCTGTCTCATCGC 4	98 456
•	499 1455	CTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTG 5	58 396
•	559 1395	CTGCAACACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGC 6	18 336
•	619 1335	CCTCAGGCCAGGGCTCCGCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACA 6	78 277
•	679 1276	CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCCCGCCCCCCA 7	38 217
•	739 1216	ACCCCCACCTCACGTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGG 7 1 1 1 1 1 1 1 1 1	98 157
•	799 1156	GAGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCCTCGGTAAAGCATTCTGA 8	58 097
0 7	859 1096	ATAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGT 9	18 037
0 \	919 1036	TCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCWGTCCTTAGAAG 9	78 77
0 ~	979 976	TCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGG 1	038 17
0 ~	1039 916	GGCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCC 1	098 57
0 ~	1099 856	CACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAG 1 	158 97
0 ~	1159 796	CAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGG 1	218 37
0 ~	1219 736	ACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCC 1 	278 77
0 ~	1279 676	TTGCAGAGAGTGGCGCCGGGACGCGGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGT 1	.338 17
, ~	1339	CGGTGGTGGAGTGCGCATGTACGCGCACAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACA 1	.398

77	136 TTCAAACCCGGGGGAGTTGGCTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGTA	Db
1878	-	Qy
137	-	Db
1818	1759 TTTTTCAGTGTTGGACTTGACAGCTTCTTTTGCCACAAGCAAG	Qy
197	_	DЬ
1758	1699 TAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAA	Qy
257	-	Db
1698	1639 CACGAGCAGGAGAGAGAGAGAAAAAAAAAAAACACAGCATGAGAACACAGTAAATGAA 1	Qy
317	_	Dΰ
1638	1579 TCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACCAATCAGCCCTGGGCAGA	Qy
377		Db
1578	1519 TGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCGAGCCATGATCC 1	Qy
437	-	ф
1518	1459 GGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCA 1	Qу
497	-	В
1458	1399 GGCGGCAGCACAGCACCTGCACGAACACCCCGCCGAAACTGCTGCTGCGAGGACACCGTGTACA 1	Qy

US-09-950-083-1914/c

Sequence 1914, Application US/09950083

GENERAL INFORMATION:

APPLICANT: ROSED, et. al

ITILE OF INVENTION: Human Secreted Proteins

FILE REFERENCE: PS805

CURRENT FILING DATE: 2001-09-12

PRIOR FILING DATE: 2001-09-12

PRIOR FILING DATE: 2001-09-27

PRIOR FILING DATE: 2001-04-12

PRIOR APPLICATION NUMBER: CCT/US01/11988

PRIOR APPLICATION NUMBER: PCT/US01/11988

PRIOR FILING DATE: 2000-03-09

PRIOR FILING DATE: 2000-03-09

PRIOR FILING DATE: 2000-03-09

PRIOR APPLICATION NUMBER: PCT/US00/06043

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FILING DATE: 1999-03-19
APPLICATION NUMBER: US 6
FILING DATE: 1999-06-11 APPLICATION NUMBER: US 60/124,095 FILING DATE: 1999-03-12 APPLICATION NUMBER: US 60/138,598 FILING DATE: 1999-06-11 APPLICATION NUMBER: US 60/168,665 FILING DATE: 1999-12-03 AFFLICATION NUMBER: US 60/168,654
APPLICATION NUMBER: US 60/168,654
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APPLICATION NUMBER: US 60/167,061
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TITING DATE: 1999-11-23 APPLICATION NUMBER: PCT/
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DATE: 2000-09-26 APPLICATION NUMBER: PCT/US00/15136
FILING DATE: 2000-06-01
APPLICATION NUMBER: PCT/US00/14926
FILING DATE: 2000-06-01
APPLICATION NUMBER: PCT/US00/14963
FILING DATE: 2000-06-01 FILING DATE: 2001-04-2/ RPILING DATE: 2001-04-2/ APPLICATION NUMBER: US 60/124,146 THE THIS DATE: 1999-03-12 FILING DATE: 2000-06-01 APPLICATION NUMBER: PCT FILING DATE: 2000-06-01 APPLICATION NUMBER: PCT/US00/15135 APPLICATION NUMBER: US 60/124,099 FILING DATE: 1999-11-23
APPLICATION NUMBER: US 60/124,093 APPLICATION NUMBER: PCT FILING DATE: 2000-09-26 APPLICATION NUMBER: PCT/US00/14973
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OR FILING DATE: 1999-06-11
OR APPLICATION NUMBER: US 60/168,666
OR FILING DATE: 1999-12-03
OR APPLICATION NUMBER: US 60/125,359
OR FILING DATE: 1999-03-19
OR FILING DATE: 1999-12-03
OR APPLICATION NUMBER: US 60/168,664
OR FILING DATE: 1999-12-03
OR APPLICATION NUMBER: US 60/126,051
OR APPLICATION NUMBER: US 60/169,906
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APPLICATION NUMBER: US 60/168,667
FILING DATE: 1999-12-03
APPLICATION NUMBER: US 60/124,142
FILING DATE: 1999-03-12
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                                                                  CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCCTGGCCCCCA 738
                                                                                                                      CCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACA 678
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                                                     CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCA
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		TCAAACCCGGGGGAGTTGGCTGTTAAAGAAAGACCATTAAATGCTTTAGACAGTGTA	TGACAGCTTCTTTGCCACAAGCAAGAGAAATTTAACACTG	TGACAGCTTCTTTTGCCACAAGCAAGAGAGAATTTAACACTGT 1	AAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAA 1	AAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAATGGTACCAA l		argarangarangarangaraasaaaaaaaaaaaaaaagaaaaaaaaaa		CCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGA 1	GTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCC 3	GTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCC 1	GAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGGGAGGATCA 4	GAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGAGGATCA 1	GCGGCAGCACACCTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACA 4	GCGGCAGCACCAGCACCACGACCACCCGCCGAAACTGCTGCGAGGACACCGTGTACA 1	GGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACA 5	GGTGGTGGAGTGCGCATGTACGCGCAGGÇGCTTCTCGTGGTTGGCGTGCTGCAGCGACA 1	+3 -	- +3 	σ	ш	G 7	- വ ല	AG 7	AG 1	8 C-	- C	9		CGGAGTCAAGGCCAGGCTGGCAGAGTCAGTCCTTAGAAG 9	CGGAGTCAAGGCCAGGCTGGCAGAGTCWGTCCTTAGAAG 9	TARANTTOAGCYTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGT 9	AGTCCGTGTTCTCTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGA 1	8
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CURRENT FILING DATE: 2002-03-26
NUMBER OF SEQ ID NOS: 15197
Prior Application removed - See File Wrapper or Palm SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 2414
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Best Local :
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ORGANISM: Homo sapiens
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CURRENT FILING DATE: 2000-06-01
EARLIER APPLICATION NUMBER: 60/138,630
EARLIER FILING DATE: 1999-06-11
NUMBER OF SEO ID NOS: 160
SOFTWARE: PATENTIN VET. 2.0
SEO ID NO 23
LENGTH: 1956
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Best Local
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ORGANISM: Homo sapiens
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257	GAGCAGGAGGAGAGACACAGAGAAAAAACACAGCATGAGAACACAGTAAATR	316	ДЪ
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1217	TGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCA	1276	Дb
ω	CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCCTGGCCCCCA	79	Qy
1277	CCTCAGG-CAGGGCTCCGCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACA	1335	рь

APPLICATION FILING DATE: APPLICATION	PRIOR FILING DATE: 2000-03-09 PRIOR APPLICATION NUMBER: PCT/US00/06824 PRIOR APPLICATION NUMBER: PCT/US00/06765 PRIOR APPLICATION NUMBER: PCT/US00/06765 PRIOR FILING DATE: 2000-03-16 PRIOR FILING DATE: 2000-03-16 PRIOR APPLICATION NUMBER: PCT/US00/06792 PRIOR FILING DATE: 2000-03-16 PRIOR APPLICATION NUMBER: PCT/US00/06830 PRIOR FILING DATE: 2000-03-16 PRIOR APPLICATION NUMBER: PCT/US00/06782 PRIOR FILING DATE: 2000-03-16 PRIOR APPLICATION NUMBER: PCT/US00/06822 PRIOR APPLICATION NUMBER: PCT/US00/06791 PRIOR APPLICATION NUMBER: PCT/US00/06791 PRIOR APPLICATION NUMBER: PCT/US00/06791 PRIOR APPLICATION NUMBER: PCT/US00/06791	PRIOR FILING DATE: 2000-03-09 PRIOR APPLICATION NUMBER: PCT/US00/06012 PRIOR APPLICATION NUMBER: PCT/US00/06012 PRIOR APPLICATION NUMBER: PCT/US00/06058 PRIOR FILING DATE: 2000-03-09 PRIOR PRIOR PLICATION NUMBER: PCT/US00/06044 PRIOR FILING DATE: 2000-03-09 PRIOR APPLICATION NUMBER: PCT/US00/06059 PRIOR APPLICATION NUMBER: PCT/US00/06042 PRIOR FILING DATE: 2000-03-09 PRIOR PRIOR PLICATION NUMBER: PCT/US00/06042 PRIOR PRIOR APPLICATION NUMBER: PCT/US00/06014 PRIOR APPLICATION NUMBER: PCT/US00/06014 PRIOR APPLICATION NUMBER: PCT/US00/06013 PRIOR APPLICATION NUMBER: PCT/US00/06013 PRIOR APPLICATION NUMBER: PCT/US00/06019	RESULT 27 US-09-950-083-1915/c Sequence 1915, Application US/09950083 GENERAL INFORMATION: APPLICANT: ROSen, et. al TITLE OF INVENTION: Human Secreted Proteins FILE REFERENCE: PS805 CURRENT APPLICATION NUMBER: US/09/950,083 CURRENT FILING DATE: 2001-09-12 PRIOR APPLICATION NUMBER: 60/278,650 PRIOR APPLICATION NUMBER: 09/833,245 PRIOR PILING DATE: 2001-04-12 PRIOR FILING DATE: 2001-04-12	Db 256 TAAAACCATAAAATATTTAGCCCCCTCTGTTCTGTGCCACAAGGAAATGGTACCAA 197 Qy 1759 TITTTCAGTGTGGACTTGACAGCTTCTTTTGCCACAAGCAAG
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OR FILING DATE: 2000-09-26
OR APPLICATION NUMBER: PCT/US00/26337
OR FILING DATE: 2000-09-26
OR APPLICATION NUMBER: PCT/US01/13318
OR FILING DATE: 2001-04-27
OR FILING DATE: 2001-04-27
OR APPLICATION NUMBER: US 60/124,146
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FILING DATE: 1999-11-23
APPLICATION NUMBER: US 60/124,093
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APPLICATION NUMBER: US 60/138,574
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US-10-105-299-2415/c

Sequence 2415, Application US/10105299

GENERAL INFORMATION:

APPLICANT: Rosen, et. al

TITLE OF INVENTION: Human Secreted Proteins

FILE REFERENCE: P9950

CURRENT APPLICATION NUMBER: US/10/105,299

CURRENT FILING DATE: 2002-03-26

NUMBER OF SEQ ID NOS: 15197

Prior Application removed - See File Wrapper o.

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 2415

LENGTH: 1956
NAME/KEY: misc_feature
: LOCATION: (1362)..(1362)
: OTHER INFORMATION: n equ
US-10-105-299-2415
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                        TCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGG
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                                                                                                                                ATAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGT
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Pred. No. 1.9e-298
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Score 1526; DB 40; Pred. No. 8e-287;

Length 1832;

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RESULT 29

US-10-108-260A-197

(Sequence 197, Application US/10108260A)

(SENERAL INFORMATION:

APPLICANT: HELIX RESEARCH INSTITUTE

TITLE OF INVENTION: Novel full length cDNA

FILE REFERENCE: H1-A0106

CURRENT APPLICATION NUMBER: US/10/108,260A

CURRENT FILING DATE: 2002-03-27

NUMBER OF SEQ ID NOS: 5458

SOFTMARE: Patentin Ver. 2.1

SEQ ID NO 197

LENGTH: 1832

TYPE: DNA

ORGANISM: Homo sapiens

US-10-108-260A-197
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Best Local Similarity
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	Mat	ches	tive 0; Mismatches 3; Indels 0; Gaps
	웅 성	154	CTCCGCTGCTGTGCCCTCCTGATGCGCTTGCCCTCTCCCGGCCCCGGGACTCCGGGAG 213
	Оу	9	TGTGGGTCCTAGGCATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTG
	Db	214	AATGTGGGTCCTAGGCATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGC 273
	Qy		7
	Db		CTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCC 33
	Qy	379	CGAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGAA
	DЪ	334	GAGTTCATTGTGAATTGCACGGTGAACGTTCAAGACATGTGTCAGAAAGAA
	Qy	439	AAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCAGCGGCCTGTCTCATCGC 4
	Db	394	CAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCG
	Ωy	499	CTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTG 558 CTCTGCCCGGGTACCAGTCCTTCTTCTCCCCAGGGAAACTGAACTCAGTTTTGCATCAGCTG 513
	Ş	5	AACACCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGG
	Вb	14	CTGCAACACCCCTCTTTGTAACGGGCCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGC 573
	Qy	19	CCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACA 678
	В	74	AGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCAC
	Qy	679	ω
	DB	034	TECTEAAECTEAAEGATECCACCCCTCCTECATTETICTTCCAECCTCECCCCA 09
	Qy	739	٠
	B	694	CCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGG 75
	VΩ	799	
	DЪ	754	AGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTG
	Qy		ATAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGT 918
	망		TAAATTCAGCCTGACTGAATTTTCAGTATGTACTTGAAGGAAG
	Qy		TCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCWGTCCTTAGAAG 978
	Db		CACCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCAGTC
•	Qy	979	TCACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGG 1038
	Db		CACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGG
	Qy	1039	GGCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCC 1098
	Db	994	GCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTC
	Qy	0	CACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAG 1158
	Db	1054	ACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCA
	Qy	سز	CAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGG 1218
	ф	1114	AGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGG
	Qy	1219	ACTTAGACTGGGGCTCGGCCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCC 1278

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GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Shyjan, Andrew W.

TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A

TITLE OF INVENTION: HUMAN OVARY LIBRARY

FILE REFERENCE: 1600.1090-001

CURRENT APPLICATION NUMBER: US/09/526,994

CURRENT FILING DATE: 2000-03-15

EARLIER APPLICATION NUMBER: 60/125,564

EARLIER APPLICATION NUMBER: 60/125,678

EARLIER APPLICATION NUMBER: 60/125,678

EARLIER FILING DATE: 1999-03-23

EARLIER FILING DATE: 1999-05-24

NUMBER OF SEQ ID NOS: 1304

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 1070

LENGTH: 2535

TYPE: DNA

ORGANISM: Homo sapiens
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US-09-526-994-1070/c
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                                                                     79.5%;
99.9%;
                                                      Score 1509; DB 19;
Pred. No. 1.4e-283;
0; Mismatches 2;
                                                         Indels
                                                                                    Length 2535;
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 2444
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          1423 CACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAG 1364
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DP CA	2443	CGGGCGATGCAGCTCCGCGACCGCACCTGCGGCTCCTCTAAGCTACGACCGTCGTCTC 1	38
DP QA	139 2383	CGCGGCAGCAGCGGGGCCCCAGCAGCCTCGGCAGCCGCACAGCCGCTGCAGCCGGGGCAGC 1	98 32
Qy	19	CTCCGCTGCTGTCGCCTCTGATGCGCTTGCCCTCTCCCGGGACCCCGGGACTCCGGGAG 2	88
В	N	TCCCCTGCTGTCCCCCCTCTGATGCGCTTGCCCTCTCCCGGGCCCCGGGACTCCGGGAG	26
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Db	2263	ATGTGGGTCCTAGGCATCC	20
P 6	319		78
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B 5	2143		28
γo	439	GCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGC 4	98
₽	2083		2
Qy	499	TCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTG 5	58
뭥	2023	TTGCATCAGCTG 1	96
Qy	559	TGCAACACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGGAAGTTCTGCCTCGGC 6	18
Db	1963	CAACACCCTTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGC 1	90
Qy	619	CGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACA 6	78
B	1903	CCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACA	84
Qy	679	CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCA 7	38
8	1843	CTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCA 1	78
Qy	739	ACCCCCACCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGG 7	98
망		ACCCCCCACCTCCCTGAGTGTCTTCTTCTGGGTGTCCTTTTTATTCTGGGTAGGGAGCGG	72
Qy	799	GAGTCCGTGTTCTCTTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGA 8	58
Db	1723	GAGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGA 1	66
Q		59 ATAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGAGGTGGAGTGAAAGT 91	18
Дb	1663	ATAAATTCAGCTTGACTGAATTTTCAGTATGTACTTGAAGGAAG	9
Qy	919	TCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCWGTCCTTAGAAG 9	78
ЪЬ	1603	CACCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCAGTC	4
Qy	979	GCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGG 1	03
Ъ	1543	CACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGG 1	8
Qy	1039	GGCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCC 1	091
В	1483	GCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCCAGTTCC 1	Ş
V Q	1099	CACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTGCTGAAAACCATTCTCTGCAG 11	15
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                                                                                                                                                                                                                           ; TYPE: DNA; ORGANISM: Homo Sapien US-10-119-480-15
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APPLICANT: Desnoyers, Luc Ge
APPLICANT: Goddard, Audrey
APPLICANT: Goddowski, Paul J
APPLICANT: Grimaldi, J. Chri
APPLICANT: Grimeldi, J. St. The APPLICANT: Grimeldi, J. Chri
APPLICANT: Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 15, Application US/10119480 GENERAL INFORMATION:
                                                                                                                                                                          Query Match 75.0%;
Best Local Similarity 99.9%;
                                                                                                                                                                                                                                                                        SEQ ID NO 15
LENGTH: 1524
                                                                                                                                                             Matches 1522;
                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: WOOD, WILLIAM I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C1
                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/10/119,480
CURRENT FILING DATE: 2002-04-09
NUMBER OF SEO ID NOS: 246
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                                                                                             GCGGCAGCAGCGGGCCCCAGCAGCCACAGCCACAGCCGCTGCAGCCGGGGCAGCC
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                               TCCGCTGCTGTCGCCTCCTGATGCGCTTGCCCTCTCCCGGCCCCGGGACTCCGGGAGA 259
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ATGTGGGTCCTAGGCATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCG
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Grimaldi, J. Christopher
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
Stephan, Jean-Philippe F.
Watanabe, Colin L.
Wood, William I.
                                                                                                                                                             Conservative
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                                                                                                                                                          Score 1422; DB 4v;
Pred. No. 1.2e-266;
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Indels

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APPLICANT: Baker, Kevin P.
APPLICANT: Baker, Kevin P.
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Watanabe, Colin L.
APPLICANTON NUMBER: US/10/216,159A
CURRENT APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/064103
PRIOR APPLICATION NUMBER: 60/064103
PRIOR APPLICATION NUMBER: 60/069873
PRIOR APPLICATION NUMBER: 60/069873
PRIOR APPLICATION NUMBER: 60/079910
PRIOR APPLICATION NUMBER: 60/079924
PRIOR APPLICATION NUMBER: 60/079294
PRIOR
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                                                           ; LENGTH: 1524
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-216-159A-15
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                                                                                                               Remaining Prior Application data removed
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 15
LENGTH: 1524
       Query Match
Best Local
                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/079728 PRIOR FILING DATE: 1998-03-27
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       Similarity
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     1422; DB 42;
No. 1.2e-266;
                                                                                                                                                                       See
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                                                                     ACTCAAGGCTCCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGC
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Sequence 15, Application US/10216160
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddwski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
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; ORGANISM: Homo
US-10-216-160-15
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US-10-216-160-15
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                                                                                                                                                               TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: P3530PIC8
CURRENT APPLICATION NUMBER: US/10/216,160
CURRENT FILING DATE: 2002-08-09
Prior Application removed - See File Wrapper or Palm NUMBER OF SEQ ID NOS: 246
SEQ ID NO 15
                                                                                 Query Match
Best Local Similarity
Matches 1522; Conserv
                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                        Q ID NO 15
LENGTH: 1524
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Gerritsen, Mary
Goddard, Audrey
Goddwski, Paul J.
T: Godlowski, Paul J.
T: Gotlandid, J. Christopher
Gurney, Austin L.
T: Smith, Victoria
T: Smith, Victoria
T: Smith, Victoria
T: Watanabe, Colin L.
T: Watanabe, Colin L.
                                                                                  Conservative
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99.9%;
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                                                                                 Score 1422; DB 42;
Pred. No. 1.2e-266;
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APPLICANT: GOODSKI, PAUL J.
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Watchabe, Colin L.
APPLICANT: Watchabe, Colin L.
APPLICANT: Watchabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PIC2
CURRENT APPLICATION NUMBER: US/10/216,162
CURRENT APPLICATION NUMBER: US/10/216,162
CURRENT APPLICATION NUMBER: 50/059113
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/06349
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/064103
PRIOR APPLICATION NUMBER: 60/064103
PRIOR APPLICATION NUMBER: 60/069873
PRIOR APPLICATION NUMBER: 60/069873
PRIOR APPLICATION NUMBER: 60/079910
PRIOR APPLICATION NUMBER: 60/079910
PRIOR APPLICATION NUMBER: 60/079924
PRIOR APPLICATION NUMBER: 60/079294
; TYPE: DNA
; ORGANISM: Homo
US-10-216-162-15
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NUMBER OF SEQ ID NOS: 246
SEQ ID NO 15
LENGTH: 1524
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APPLICATION NUMBER: 60/0
FILING DATE: 1998-03-27
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               ACTCAAGGCTCCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGC
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TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCL
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILL REFERENCE: PS530PLC3
CURRENT APPLICATION UNMBER: US/10/216/163
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/19/480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/06287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/064973
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/0793
PRIOR APPLICATION NUMBER: 60/079910
PRIOR APPLICATION NUMBER: 60/079294
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Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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Gerritsen, Mary
Goddard, Audrey
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PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 15
LENGTH: 1524
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Best Local Similarity 99.9%;
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                   CACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCCATCCCTGATGGGG
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APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYDEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE OF INVENTION: ACIDS ENCODING THE SAME
CURRENT APPLICATION NUMBER: US/10/216,164
CURRENT APPLICATION NUMBER: 10/19,480
PRIOR APPLICATION NUMBER: 50/059113
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/062287
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; Sequence 15, Application US/10216164
; GENERAL INFORMATION:
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APPLICANT:
APPLICANT:
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mar
APPLICANT: Goddard, Audre
APPLICANT: Godowski, Paul
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Gerritsen, Mary
Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR APPLICATION NUMBER: 60/079728
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR FILING DATE: 1998-03-27
PRIOR FILING DATE: 1998-03-27
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Best Local Similarity
Matches 1522; Conserva
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ORGANISM: Homo Sapien
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99.9%;
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Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 15
LENGTH: 1524
AGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCCTCGGTAAAGCATTCTGAA
                                                                                                                                                                                 CCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGG
                                                                            CCCCCCACCTCCCTGAGTGAGTTTCTTCTTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGG
                                                                                                                      TGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCAA
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Pred. No. 1.2e-266;
O; Mismatches 2;
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APPLICANT: Baker, Kevin P
APPLICANT: Besnoyers, Lu
APPLICANT: Gerritsen, Ma
APPLICANT: Goddard, Audr
APPLICANT: Goddwski, Pau
APPLICANT: Grimaldi, J.
APPLICANT: Gurney, Austit
APPLICANT: Smith, Victor
APPLICANT: Stephan, Jean
APPLICANT: Watanabe, Col
APPLICANT: Wood, William
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                                         Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
                                                                                                            Desnoyers, Luc
Gerritsen, Mary
 Stephan, Jean-Philippe F. Watanabe, Colin L. Wood, William I.
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PRIOR APPLICATION NUMBER: 10/119,480
PRIOR PILING DATE: 2002-04-09
PRIOR PELING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/06287
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/064103
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/078910
PRIOR APPLICATION NUMBER: 60/079294
PRIOR APPLICATION NUMBER: 60/079294
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PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
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NUMBER OF SEQ 1
SEQ ID NO 15
FRIGTH: 1524
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Best Local
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CURRENT APPLICATION NUMBER: US/10/216,165
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CTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACAC
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                                                                TGCAACACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCC
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             ACGAGCAGGAGGGAGAGACAGAGA 1663
                                                       CCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGAC
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                                            CCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAGAC
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RESULT 38 US-10-216-166-15

Sequence 15, Application US/10216166 GENERAL INFORMATION:

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US-10-216-166-15
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CURRENT FILING DATE: 2002-08-09
PRIOR REPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR APPLICATION NUMBER: 60/06254
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/06354
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
PRIOR APPLICATION NUMBER: 60/069873
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079294
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Best Local Similarity
Matches 1522; Conserv
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LENGTH: 1524
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APPLICANT: Desnoyers, Lu
APPLICANT: Gerritsen, Ma
APPLICANT: Goddard, Audu
APPLICANT: Godowski, Pau
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NUMBER OF SEQ II
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TCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGC
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Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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                                                                GTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCT 1579
                                                                                                   GAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGAGGATCAT
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                                 GTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTTGGCCGCAGCCATGATCCT
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; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-216-167-15
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CURRENT APPLICATION NUMBER: US/10/216,167
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR APPLICATION NUMBER: 10/059113
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/06287
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-28
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Best Local
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OR FILING DATE: 1997-10-31
OR APPLICATION NUMBER: 60/069873
OR FILING DATE: 1997-12-17
OR APPLICATION NUMBER: 60/078910
OR FILING DATE: 1998-03-20
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FILING DATE: 1998-03-26
APPLICATION NUMBER: 60/079728
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                CTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCC
                                                                     ATGTGGGTCCTAGGCATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCG
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Gerritsen,
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Pred. No. 1
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            GCGGCAGCACAGCACCTGCACGAACACCCGCCGAAACTGCTGCGGGGGACACCCGTGTACAG 1459
                                                                GGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAG 1399
                                                                                                        TGCAGAGGACTGGCGCGCGGACGCGGAAGAGCGGGCGCTGCACAAAGCGGGCGCTGTC
                                                                                                                                                                                                                                 AGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGA 1219
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                                                  GGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGACAG
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TITLE OF INVENTION: ACIDS ENCODING THE SAME

FILE REFERENCE: P3530PLC10

CURRENT APPLICATION NUMBER: US/10/216,168

CURRENT APPLICATION NUMBER: 10/119,480

PRIOR APPLICATION NUMBER: 60/059113

PRIOR APPLICATION NUMBER: 60/059113

PRIOR APPLICATION NUMBER: 60/06287

PRIOR APPLICATION NUMBER: 60/06287

PRIOR APPLICATION NUMBER: 60/06349

PRIOR APPLICATION NUMBER: 60/06349

PRIOR APPLICATION NUMBER: 60/06349

PRIOR APPLICATION NUMBER: 60/064103

PRIOR APPLICATION NUMBER: 60/069873

PRIOR APPLICATION NUMBER: 60/069873

PRIOR APPLICATION NUMBER: 60/07993

PRIOR APPLICATION NUMBER: 60/079910

PRIOR APPLICATION NUMBER: 60/079294

PRIOR FILING DATE: 1998-03-25

PRIOR FILING DATE: 1998-03-25

PRIOR FILING DATE: 1998-03-27

PRIOR APPLICATION NUMBER: 60/079728

PRIOR FILING DATE: 1998-03-27

PRIOR APPLICATION NUMBER: 60/079728

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APPLICANT: Besnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddwski, Paul J.
APPLICANT: Godowski, Paul J. Christopher
APPLICANT: Gurinaldi, J. Christopher
APPLICANT: Guriney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Smeth, Victoria
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
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; SEQ ID NO 15
; LENGTH: 1524
                                                                                                                     Query Match
Best Local Similarity
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                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Homo Sapien
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                      GCGGCAGCAGCGGGCCCCAGCAGCCTCGGCAGCCACAGCCGCTGCAGCCGGGGGCAGCC 199
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APPLICANT: Stephan, Jean-Philippe F.
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APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SCCRETED AND TRANSMEMBRANE POLYPEPTIDES AND TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PLC21
CURRENT APPLICATION NUMBER: 10/11/480
PRIOR APPLICATION NUMBER: 10/11/480
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/06287
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APPLICANT: Smith,
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Smith, Victoria
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Grimaldi, J. Christopher
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Goddard, Audrey
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; ORGANISM: Homo Sapien
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                                                                                                    AGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCCTCGGTAAAGCATTCTGAA
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                                                                                                                                                                                    AGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAA
                                                                                                                                                                                                                                                                                                                                                      TGCAACACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGAAGTTCTGCCTCGGCC
                                                                                                                                                                                                                                                                                                                                                                                              TCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGC
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Pred. No. 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .2e-266;
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RESULT 42
US-10-218-631-15
; Sequence 15, Application U;
; GENERAL INFORMATION:
APPLICANT: Baker, Kevin P
; APPLICANT: Besnoyers, Lu
; APPLICANT: Gerritsen, Mai
; APPLICANT: Goddward, Audre
; APPLICANT: Godowski, Pau,
; APPLICANT: Gotowski, Pau,
; APPLICANT: Grimaidi, J.
; APPLICANT: Grimaidi, J.
; APPLICANT: Stephan, Jean
; APPLICANT: Watanabe, Col
; APPLICANT: Watanab
                                                                                                                                                                   APPLICANT: WOOD, WILLIAM I.

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POI
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C14
CURRENT APPLICATION NUMBER: US/10/218,631
CURRENT FILING DATE: 2002-08-12
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/05287
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-18
PRIOR FILING DATE: 1997-10-19
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APPLICATION NUMBER: 60/064103
FILING DATE: 1997-10-31
APPLICATION NUMBER: 60/069873
FILING DATE: 1997-12-17
APPLICATION NUMBER: 60/078910
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Grimaldi, J. Christopher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Stephan, Jean-Philippe Watanabe, Colin L. Wood, William I.
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PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data remove NUMBER OF SEQ ID NOS: 246
SEQ ID NO 15
LENGTH: 1524
TYPE: DNA
ORGANISM: Homo Sapien
US-10-218-631-15
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Best Local Similarity
Matches 1522; Conserv
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          CACCCCCATGTCTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCWGTCCTTAGAAGT
                                     TAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGTGAAAGTT
                                                                          AGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAA
                                                                                                    CCCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGG
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                            AGTCCGTGTTCTCTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGAA
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99.9%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 1422; DB 42; Pred. No. 1.2e-266;
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APPLICANY: Baker, Kevin P.

APPLICANY: Desnoyers, Luc
APPLICANY: Gerritsen, Mary
APPLICANY: Goddard, Audrey
APPLICANY: Goddard, Audrey
APPLICANY: Goddard, Paul J.
APPLICANY: Godowski, Paul J.
APPLICANY: Gurney, Austin L.
APPLICANY: Smith, Victoria
APPLICANY: Stephan, Jean-Philippe F.
APPLICANY: Watanabe, Colin L.
APPLICANY: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRA TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: p3530PlC19
CURRENT APPLICATION NUMBER: US/10/218,765
CURRENT APPLICATION NUMBER: US/10/218,765
PRIOR APPLICATION NUMBER: 107119,480
PRIOR FILING DATE: 2002-04-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20
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US-10-218-765-15
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APPLICATION NUMBER: 60/081955 FILING DATE: 1998-04-15 APPLICATION NUMBER: 60/082804 FILING DATE: 1998-05-06 APPLICATION NUMBER: 60/084441 FILING DATE: 1998-05-06 APPLICATION NUMBER: 60/08559 FILING DATE: 1998-05-15 APPLICATION NUMBER: 60/08559 FILING DATE: 1998-05-15 APPLICATION NUMBER: 60/08932 FILING DATE: 1998-05-15 APPLICATION NUMBER: 60/08932 FILING DATE: 1998-06-17 APPLICATION NUMBER: 60/08938 FILING DATE: 1998-06-17 APPLICATION NUMBER: 60/09057 FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/090472 FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/090691 FILING DATE: 1998-06-25 APPLICATION NUMBER: 60/090691 FILING DATE: 1998-06-25 APPLICATION NUMBER: 60/095302 FILING DATE: 1998-06-25 APPLICATION NUMBER: 60/095302 FILING DATE: 1998-06-06 APPLICATION NUMBER: 60/095302 FILING DATE: 1998-08-06 APPLICATION NUMBER: 60/095302 FILING DATE: 1998-08-04 APPLICATION NUMBER: 60/095304 APPLICATION NUMBER: 60/095304 APPLICATION NUMBER: 60/09530	NUMBER: 60/059113 1997-09-17 1997-09-17 1997-10-17 NUMBER: 60/06287 NUMBER: 60/63549 1997-10-28 NUMBER: 60/64103 1997-10-31 NUMBER: 60/069873 1997-12-17 NUMBER: 60/0798910 1998-03-20 NUMBER: 60/079294 1998-03-25 NUMBER: 60/079656 1998-03-26 NUMBER: 60/079656 1998-03-26 NUMBER: 60/079728 NUMBER: 60/079728 NUMBER: 60/079728 NUMBER: 60/07978
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OR APPLICATION NUMBER: 60/164418
OR FILING DATE: 1999-11-09
OR APPLICATION NUMBER: 60/166361
OR FILING DATE: 1999-11-16
OR APPLICATION NUMBER: 60/169445
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OR FILING DATE: 1999-04-28

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OR APPLICATION NUMBER: 60/140650

OR FILING DATE: 1999-06-22

OR APPLICATION NUMBER: 60/141037

OR FILING DATE: 1999-06-23

OR APPLICATION NUMBER: 60/141037

OR FILING DATE: 1999-07-20

OR APPLICATION NUMBER: 60/145698

OR FILING DATE: 1999-07-26

OR APPLICATION NUMBER: 60/14622

OR APPLICATION NUMBER: 60/14622

OR FILING DATE: 1999-07-28

OR APPLICATION NUMBER: 60/14623

OR APPLICATION NUMBER: 60/146963

OR APPLICATION NUMBER: 60/146963

OR APPLICATION NUMBER: 60/149320

OR FILING DATE: 1999-08-03

OR APPLICATION NUMBER: 60/149320

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                                                                            CAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCAGCGGCCTGTCTCATCGCC 499
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RESULT 44 US-10-218-784-15

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CGAGCAGGAGGGGAGACAGAG	ACGAGCAGGAGGAGAGAGAGA 1663	TCACAACAATCAGCCCTGGGCAGA	CGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAACAATCAGCCCTGGGCAG	4.4	TACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCC	GAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAGGATCAT 1380	AGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGGAGGATCA	CGGCAGCACCTGCACGAACACCCGCCGAAACTGCTGCGAGGACACCGTGTACA	GCGGCAGCACACCTGCACGACACACCCCGCCGAAACTGCTGCGAGGACACCGTGTACAG 1459	ACA	GTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGAC	GACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCGGGCGCTGT	GCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTG	ACTGGGGCTCGGCCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCC	TTAGACTGGGCCTCGGCCTCTGAAAAGTGCTTAAGAAAATCTT	AGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGA 1080	GAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGG	ACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAGC 1020	CTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAACCATTCTCTGCAG	GCATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCCC 960	CATAGTTTGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTGGAGGGCCAGTTCC	CACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGGG 900	ACTGAGGTGGGCATCTGCCTTTTGTAAAGCCTCCAGTGTCCATTCCATCCCTGATGGG	CACCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCAGTC	ACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCCTGGCAGAGTCWGTCCTTAGAAG	AAATTCAGCCTGACTGAATTTTCAGTATGTACTTGAAGGAAG	TTCAGCYTGACTGAATTTT	ATTC	GTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTGA	CCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGG 660	CCCCACCTCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGG	TGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCCTTCC	CTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCCA	CTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACAC 540

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PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILLING DATE: 2002-04-09
PRIOR PRIOR FILLING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/069113
PRIOR FILLING DATE: 1997-09-17
PRIOR FILLING DATE: 1997-10-17
PRIOR PRIOR APPLICATION NUMBER: 60/063549
PRIOR APPLICATION NUMBER: 60/064103
PRIOR APPLICATION NUMBER: 60/064103
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILLING DATE: 1997-10-31
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TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C18
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OR APPLICATION NUMBER: 60/085579
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OR APPLICATION NUMBER: 60/089532
OR FILING DATE: 1998-06-17
OR APPLICATION NUMBER: 60/089538
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OR APPLICATION NUMBER: 60/090472
OR APPLICATION NUMBER: 60/090472
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OR APPLICATION NUMBER: 60/09057
OR APPLICATION NUMBER: 60/090691
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OR APPLICATION NUMBER: 60/079728
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APPLICATION NUMBER: 60/084441
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APPLICATION NUMBER: 60/085323
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Grimaldi, J. Christopher
Gurney, Austin L.
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FILING DATE: 1998-10-30
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CURRENT FILING DATE: 2002-08-12

Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 246

SEQ ID NO 15
LENGTH: 1524
TYPE: DNA

ORGANISM: Homo Sapien
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APPLICANT: Desnoyers, Luc
APPLICANT: Gertitsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul
APPLICANT: Grimaldi, J. Chr
APPLICANT: Gurney, Austin I
                                                                                                                                                                                                                                                                                Query Match 75.0%;
Best Local Similarity 99.9%;
Matches 1522; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 15, Applica GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: P3530P1C11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
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Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
Stephan, Jean-Philippe F.
Watanabe, Colin L.
Wood, William I.
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Gerritsen, Mary
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Pred. No. 1.2e-266;
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1579	GTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGTTTGGCCGCAGCCATGATCCT	Ñ	νQ
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	AGTCCGTGTTCTCTTTTGTTCCTGTGCAATAATGAAAGAGCCTCGGTAAAGCATTCTGAA	66	뮸
859	GTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCATTCTG	80	γo
660	CCCCCCACCTCCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGGG	60	B 5
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w	GCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTCTTCCAGCCCTCGCCCCC	68	Q Q
4	1 CTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTCTCGGCACAC	48	Db
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ř.	GCAACACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAGGGGGAAGTTCTGCCTCGGC	56	δõ
N	1 TCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGC	36	Db
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Search completed: November 8, 2002, 02:00:50 Job time : 4268.69 secs

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Result
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/cgn2_6/ptodata/1/pna/US06_NEW_COMB.seq:*
/cgn2_6/ptodata/1/pna/US07_NEW_COMB.seq:*
/cgn2_6/ptodata/1/pna/US08_NEW_COMB.seq:*
/cgn2_6/ptodata/1/pna/US09_NEW_COMB.seq:*
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US-10-125-923A-215
US-10-246-829-15
US-10-240-425-1530
US-09-907-907A-23
US-09-907-907A-31
US-10-240-425-758
US-10-240-425-758
US-10-240-425-758
US-10-240-425-758
US-10-244-237-105
US-10-244-237-105
US-10-264-237-163
US-10-264-237-163
US-10-264-237-107
US-10-264-237-107
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Sequence 15, Appl Sequence 215, Appl Sequence 1530, Appl Sequence 20982, Appl Sequence 31, Appl Sequence 31, Appl Sequence 525, Appl Sequence 687, Appl Sequence 563, Appl Sequence 563, Appl Sequence 1055, Appl Sequence 1055, Appl Sequence 1055, Appl Sequence 1055, Appl Sequence 1057, Appl Sequence 1007, Appl Sequence 1007, Appl Sequence 1107, Appl Sequence 15, Appl Sequ
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Sequence 156, App				156,	156,	156,		156,	227	136,	53,	136,	•	136,	136,	136,	•	Sequence 136, A
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ALIGNMENTS

APPLICANT: STEPHAN, Jean-Philippe F. APPLICANT: Watanabe, Colin L. APPLICANT: Wood, William I. APPLICANT: Wood, William I. TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: SCREETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: SCREETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE OF INVENTION: ACIDS ENCO ; TYPE: DNA ; ORGANISM: HOMO US-10-230-437-15 RESULT 1 US-10-230-437-15 HUMBER OF SEQ SEQ ID NO 15 LENGTH: 1524 APPLICANT: Baker, Kevin P. APPLICANT: Desnoyers, Luc APPLICANT: Gerittsen, Mary APPLICANT: Goddard, Audrey APPLICANT: Godowski, Paul J. APPLICANT: Grimaldi, J. Christopher APPLICANT: Gurney, Austin L. APPLICANT: Smith, Victoria Sequence 15, Application US/10230437 GENERAL INFORMATION: APPLICANT: APPLICANT: APPLICANT: PRIOR APPLICATION NUMBER: 60/079728 PRIOR FILING DATE: 1998-03-27 Remaining Prior Application SEQ ID NOS: 246 Sapien data removed -See File Wrapper or PALM

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Query Match

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                                       ACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAAAACCATTCTCTGCAGC
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        AGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACTCAATGACTGGGA
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APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCL
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: 943081C79
CURRENT APPLICATION NUMBER: US/10/125,923A
CURRENT FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 10/052586
PRIOR FILING DATE: 2002-01-15
PRIOR FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 60/059263
PRIOR APPLICATION NUMBER: 60/059266
PRIOR FILING DATE: 1997-09-18
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US-10-125-923A-215
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                                                                                                                                    APPLICATION NUMBER: 60/062250 FILING DATE: 1997-10-17 APPLICATION NUMBER: 60/063120 FILING DATE: 1997-10-24
APPLICATION NUMBER: 60/063540 FILING DATE: 1997-10-28 APPLICATION NUMBER: 60/063541 FILING DATE: 1997-10-28
                                                                 APPLICATION NUMBER: 60/063486 FILING DATE: 1997-10-21
                                                                                                  APPLICATION NUMBER: 60/063121 FILING DATE: 1997-10-24
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Godowski, Paul
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CURRENT APPLICATION NUMBER: US/10/266,829

CURRENT FILING DATE: 2002-10-09

PRIOR APPLICATION NUMBER: 09/756,168

PRIOR FILING DATE: 2001-01-09

PRIOR APPLICATION NUMBER: PCT/US00/19735

PRIOR FILING DATE: 2000-07-20

PRIOR APPLICATION NUMBER: 60/145,220

PRIOR FILING DATE: 1999-07-23
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            FILE REFERENCE: 44921-5026
CURRENT APPLICATION NUMBER: US/10/240,425
CURRENT FILING DATE: 2002-09-30
PRIOR APPLICATION NUMBER: PCT/US01/09847
PRIOR FILING DATE: 2001-03-28
PRIOR APPLICATION NUMBER: US 60/193,446
PRIOR FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 1588
SOFTWARE: Patentin Ver. 2.1
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US-10-125-923A-215
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NUMBER OF SEQ ID NOS: 612
SEQ ID NO 215
LENGTH: 1337
TYPE: DNA
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Best Local Similarity
SEQ ID NO 1530
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Best Local Similarity
                                                                                                                                                                                APPLICANT: Wetzel, Jon C.
APPLICANT: Scherf, Uwe
APPLICANT: Vockley, Joseph G.
TITLE OF INVENTION: Gene Expression Profiles
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TITLE OF INVENTION: 29 Human secreted proteins
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ORGANISM: Homo sapiens
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Lord, Reginald V.
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100.0%; pr
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100.0%; Pred. No.
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; LENGTH: 102
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-513-999C-20982
                                                         ; OTHER INFORMATION: a or c or g US-09-907-907a-23
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; Sequence 20982, Application US/09513999C
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 23
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SOFTWARE: Patent.pm
SEQ ID NO 20982
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Best Local Similarity
Matches 23; Conserv
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                     Query Match
 Best Local Similarity
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APPLICANT: Leszcyniecka, Magdalena
APPLICANT: Leszcyniecka, Magdalena
TITLE OF INVENTION: GENES DISPLAYING ENHANCED EXPRESSION DURING CELLULAR SENESCENC
TITLE OF INVENTION: TERMINAL CELL DIFFERENTIATION AND USES THEREOF
FILE REFERENCE: A34584-A-PCT-USA (070050.1664)
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                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/907.907A CURRENT FILING DATE: 2001-07-16 PRIOR APPLICATION NUMBER: US 09/243,277 PRIOR FILING DATE: 1999-02-02
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins. FILE REFERENCE: 59.US2.REG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Dumas Milne Edwards, J.B. APPLICANT: Duclert, A. APPLICANT: Giordano, J.Y.
                                                                                             FEATURE:
NAME/KEY: unsure
LOCATION: 21
                                                                                                                                                                          TYPE: DNA
                                                                                                                                                  ORGANISM: Homo sapiens
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Pred. No.
Score 23;
Pred. No.
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DB 5;
0.082;
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0.025;
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APPLICANT: APPLICANT: Matches

Conservative

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; LOCATION: (1)...(286)
; OTHER INFORMATION: n = A,T,C
US-10-266-131-1361
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SEQ ID NO 31
LENGTH: 315
TYPE: DNA
ORGANISM: Homo sapiens
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SEQ ID NO 1361
LENGTH: 286
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                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Leszcyniecka, Magdalena TITLE OF INVENTION: GENES DISPLAYING ENHANCED EXPRESSION DURING CELLULAR SENESCENCE TITLE OF INVENTION: TERMINAL CELL DIFFERENTIATION AND USES THEREOF FILE REFERENCE: A34584-A-PCT-USA (070050.1664) CURRENT APPLICATION NUMBER: US/09/07, 907A CURRENT FILING DATE: 2001-07-16 CURRENT FILING DATE: 2001-07-16 PRIOR APPLICATION NUMBER: US 09/243,277
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CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: US/09/617,675
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: US 60/143,878
PRIOR FILING DATE: 1999-07-15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Fisher, Paul B. APPLICANT: Leszcyniecka,
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NUMBER OF SEQ ID NOS: 51
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                      290 TGTANAAAAAAAAAAAAAAAA 312
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                                                                                                                               Similarity
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Sands, Arthur T
                                                                                                        1.2%; Score 23; DB 5; ilarity 100.0%; Pred. No. 0.08; Conservative 0; Mismatches
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PRIOR FILING DATE: 2001-03-28
PRIOR APPLICATION NUMBER: US 60/193,446
PRIOR FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 1588
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 758
LENGTH: 504
TYPE: DNA
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                                                                                                                               ; OTHER INFORMATION: Genbank Accession No. AI262104 US-10-240-425-525
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SEQ ID NO 525
LENGTH: 523
                             Query Match
Best Local Similarity 100.0%; Pred. No. U.C
Rest Local Similarity 00.0%; Pred. No. U.C
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APPLICANT:
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APPLICANT: Boland, Joseph
APPLICANT: Lord, Reginald
APPLICANT: Alvarez, Chris
                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/10/240,425
CURRENT FILING DATE: 2002-09-30
PRIOR APPLICATION NUMBER: PCT/US01/09847
PRIOR FILING DATE: 2001-03-28
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APPLICANT: Boland, Joseph I
APPLICANT: Lord, Reginald '
APPLICANT: Alvarez, Chris
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TITLE OF INVENTION: Gene Expre
FILE REFERENCE: 44921-5026
                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: US 60/193,446
PRIOR FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 1588
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Lord, Reginald V.
Alvarez, Chris
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Lord, Reginald V.
Alvarez, Chris
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Scherf, Uwe
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Scherf, Uwe
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FEATURE:

TYPE: DNA

US-09-907-907A-31

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US-09-907-907A-31

Query Match Best Local :

Matches

Local 23;

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; FEATURE:
, NAME/KEY: misc_feature
; LOCATION: (74)...(74)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-264-237-1055
                                                       RESULT 13
US-10-264-237-687
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-264-237-114
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                 Sequence 687, Application US/10264237 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
SOFTWARE: PATENTIN Ver. 3.1
SEQ ID NO 1055
LENGTH: 785
TYPE: DNA
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GENERAL INFORMATION:
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Best Local S
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CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/10/264,237
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
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TITLE OF INVENTION: Nucleic Acids, Proteins,
FILE REFERENCE: PA131P1
APPLICANT: Birse et al.
                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Homo sapiens
                                                                                                                              1875 TGTAAAAAAAAAAAAAAAAAA 1897
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23; Conserv
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100.0%; Pred. No.
1ve 0; Mismatches
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CURRENT APPLICATION NUMBER: US/10/264,237
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
SOFTWARE: PATENTIN Ver. 3.1
SEQ ID NO 563
LENGTH: 1092
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; ORGANISM: Homo sapiens
US-10-264-237-687
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US-10-264-237-563
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Best Local Similarity
Matches 23; Conserv
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LENGTH: 1001
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Best Local
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APPLICANT: HAYASHI, Yasunori
TITLE OF INVENTION: NR3B Receptor Subunit Compositions and Related Methods
FILE REFERENCE: M00656.70068.WO
CURRENT APPLICATION NUMBER: PCT/US02/33408
CURRENT FILING DATE: 2002-10-18
PRIOR APPLICATION NUMBER: US 60/344,545
PRIOR FILING DATE: 1999-10-19
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CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
                                                                                                                                                                                                                                           APPLICANT: Birse et al. TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies FILE REFERENCE: PA131P1
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA ORGANISM: Rattus norvegicus
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nes 23; Conserv
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0.076;
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; FEATURE:

NAME/KEY: misc_feature

LOCATION: (912)..(912)

OTHER INFORMATION: n equals a,t,g, or c
US-10-264-237-40
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; OTHER INFORMATION: n equals a,t,g, or c US-10-264-237-563
                                    APPLICANT: Birse et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antifile REFERENCE: PAl31P1
CURRENT APPLICATION NUMBER: US/10/264,237
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
PRIOR FILING DATE: 2001-05-19
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEO ID NOS: 2876
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SEQ ID NO 40
LENGTH: 1326
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SEQ ID NO 995
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Best Local Similarity
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TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA131P1
CURRENT APPLICATION NUMBER: US/10/264,237
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEO ID NOS: 2876
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LOCATION: (227)...(227)
OTHER INFORMATION: n equals a,t,g, or
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                       PatentIn Ver.
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hes 0; Indels
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APPLICANT: Bidney, Dennis L.

APPLICANT: Hu, Xu

APPLICANT: Li, Guihua

APPLICANT: Li, Guihua

ITILE OF INVENTION: Sunflower Disease Resistance Genes

FILE REFERENCE: 35718/200630

CURRENT APPLICATION NUMBER: US/09/602,472A

CURRENT FILING DATE: 2000-06-23

PRIOR APPLICATION NUMBER: 60/140,876

PRIOR APPLICATION NUMBER: 60/140,876

PRIOR FILING DATE: 1999-06-24

NUMBER OF SEQ ID NOS: 64

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 1

LENGTH: 1593
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 1007
; LENGTH: 1571
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-264-237-1007
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US-10-264-237-1007
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US-09-602-472A-1
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Best Local 9
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Best Local
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CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR APPLICATION NUMBER: US 60/205,515
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
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TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
                                                                                                                                            ORGANISM: Helianthus annuus
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1875 TGTAAAAAAAAAAAAAAAAAAAAA 1897
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100.0%; Prr
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100.0%;
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                                                                   Score 23;
Pred. No.
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                                                   Mismatches
                                                                   DB 5;
0.074;
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                                                                                   Length 1593;
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1571 TGTAAAAAAAAAAAAAAAAAAA 1593

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; TYPE: DNA
; ORGANISM: Zea mays
US-10-260-046-19
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                                                                                                                                                                                      US-10-264-237-890
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US-10-260-046-19
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; ORGANISM: Homo sapiens
US-10-264-237-457
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Sequence 890, Application US/10264237
GENERAL INFORMATION:
APPLICANT: Birse et al.
TITLE OF INVENTION: Nucleic Acids, Proteins,
FILE REFERENCE: PA131P1
CURRENT APPLICATION NUMBER: US/10/264,237
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 19, Application US/10260046
GENERAL INFORMATION:
APPLICANT: Dhugga, Kanwarpal S.
APPLICANT: Tomes, Dwight
TITLE OF INVENTION: Manipulation of Plant Polysaccharide
TITLE OF INVENTION: Synthases
FILE REFERENCE: 1296
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PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
SOFTWARE: Patentin Ver. 3.1
SEQ ID NO 457
LENGTH: 1689
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GENERAL INFORMATION:
APPLICANT: Birse et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA131P1
CURRENT APPLICATION NUMBER: US/10/264,237
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/16450
PRIOR FILING DATE: 2001-05-18
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Best Local Similarity
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CURRENT FILLING DATE: 2002-09-27
PRIOR APPLICATION NUMBER: 60/325,614
PRIOR FILING DATE: 2001-09-27
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Local Similarity 100.0%;
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100.0%; Pred No.
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0.074;
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; TYPE: DNA; ORGANISM: Homo sapiens US-10-264-237-890
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                                                                                                                                          PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
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SEQ ID NO 890
LENGTH: 1765
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Best Local
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                                                   PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 2876
                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630P1C47
                 PRIOR APPLICATION NUMBER: 60/077641 PRIOR FILING DATE: 1998-03-11
                                                                                                                               PRIOR FILING DATE: 1997-11-21
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Local Similarity 100.0%;
nes 23; Conservative (
APPLICATION NUMBER: 60/077649
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
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Gurney, Austin L.
Hillan, Kenneth J
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Gao, Wei-Qiang
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Gerritsen, Mary E.
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Botstein, David
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         James;
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Pred. No.
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0.074;
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; TYPE: DNA; ORGANISM: Homo sapiens
US-10-145-087A-136
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US-10-143-031A-136
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TYPE: DNA
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PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
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                                PRIOR APPLICATION NUMBER: 60/077641 PRIOR FILING DATE: 1998-03-11
                                                                   PRIOR APPLICATION NUMBER: 60/077450 PRIOR FILING DATE: 1998-03-10 PRIOR APPLICATION NUMBER: 60/077632 PRIOR FILING DATE: 1998-03-11
                                                                                                                                           PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
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                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/10/143,031A CURRENT FILING DATE: 2002-10-10
                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630P1C39
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APPLICANT: Baker Kevin P
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FILING DATE:
               APPLICATION NUMBER: 60/077649
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Similarity 100.0%; Pred. No. 0.0
23; Conservative 0; Mismatches
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Stewart, Timothy A.
Tumas, Daniel
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Grimaldi, J. Christopher
Gurney, Austin L.
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1998-03-11
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Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 136
LENGTH: 1998
TYPE: DNA
ORGANISM: Homo sapiens
US-10-143-031A-136
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                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/145,092A CURRENT EILING DATE: 2002-10-10 PRIOR APPLICATION NUMBER: 09/918585 PRIOR FILING DATE: 2001-07-30 PRIOR APPLICATION NUMBER: 60/062250 PRIOR APPLICATION NUMBER: 60/064249 PRIOR APPLICATION NUMBER: 60/064249 PRIOR APPLICATION NUMBER: 60/064249 PRIOR FILING DATE: 1997-11-03
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                                                                                                                                                                       PRIOR
                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                                                                                                                                                                                                FILE REFERENCE: P2630P1C45
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                                                                                                                                                                     APPLICATION NUMBER: 60/065311
FILING DATE: 1997-11-13
            APPLICATION NUMBER: 60/077641 FILING DATE: 1998-03-11 APPLICATION NUMBER: 60/077649
                                                                   FILING DATE: 1998-03-
                                                                                 FILING DATE: 1998-03-10 APPLICATION NUMBER: 60/077632
                                                                                                                  APPLICATION NUMBER: 60/077450
                                                                                                                                    APPLICATION NUMBER: 60/066364 FILING DATE: 1997-11-21
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23; Conserv
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Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A.
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Hillan, Kenneth J
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Grimaldi, J. Christopher
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1998-03-11
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100.0%; Pred. No. 0.073;
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US-10-145-092A-136
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PRIOR FILING DATE: 1998-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 136
ENGTH: 1998
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/10/162,522A CURRENT FILING DATE: 2002-10-10
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APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C56
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                             DR APPLICATION NUMBER: 60/077450

R FILING DATE: 1998-03-10

DR APPLICATION NUMBER: 60/077632

DR FILING DATE: 1998-03-11

DR APPLICATION NUMBER: 60/077641

DR FILING DATE: 1998-03-11
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nes 23; Conservative
                                                                                                                                             APPLICATION NUMBER: 60/065311
FILING DATE: 1997-11-13
APPLICATION NUMBER: 60/066364
FILING DATE: 1997-11-21
FILING DATE:
                   APPLICATION NUMBER:
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Grimaldi, J. Christopher
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Filvaroff,
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Hillan, Kenneth J
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ton, David L.
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                 60/077649
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RESULT 27
US-10-165-038A-136
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                                                                                                                                    PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR TILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/066364
PRIOR APPLICATION NUMBER: 60/066364
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LENGTH: 1998
TYPE: DNA
ORGANISM: Homo sapiens
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Best Local Similarity
Matches 23; Conserv
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             PRIOR APPLICATION NUMBER: 60/
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/
PRIOR FILING DATE: 1998-03-11
                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: PPG509D1C29 CURRENT APPLICATION NUMBER: US/10/165,038A

CURRENT FILING DATE: 2002-10-10
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                                                                                  PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
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PRIOR FILING DATE: 1998-03-12
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NUMBER OF SEQ ID NOS: 624
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APPLICATION NUMBER: 60/077649
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Wood, William
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Shelton, David L.
Stewart, Timothy A.
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Grimaldi, J. Christopher
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Gao, Wei-Qiang
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Desnoyers, Luc
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sophia S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         James;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Austin L.
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                                                                                                                                                                                                                                                                                                                                                                                                             Mickey
                                 60/077641
                                                                     60/077632
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0.073;
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; TYPE: DNA; ORGANISM: Homo sapiens US-10-165-038A-136
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US-10-165-353-136
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NUMBER OF SEQ ID NOS: 624
SEQ ID NO 136
LENGTH: 1998
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                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: PS630P1C40 CURRENT APPLICATION NUMBER: US/10/165,353 CURRENT FILING DATE: 2002-10-10
                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
                                                                   PRIOR FILING DATE: 1998-03-11
                                                                                  PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
                                                                                                                                                        PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
                                                                                                                                                                                         PRIOR APPLICATION NUMBER: 60/065311
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                                                                                                      APPLICATION NUMBER: 60/077450 FILING DATE: 1998-03-10
                               APPLICATION NUMBER: 60/077641 FILING DATE: 1998-03-11
                                                                                                                                         FILING DATE: 1997-11-21
FILING DATE:
                  APPLICATION NUMBER: 60/077649
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Stewart, Timothy A.
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Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
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Desnoyers, Luc
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Wapier, Mary A.
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 1998-03-11
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. 0.073;
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RESULT 29
US-10-170-481A-136
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-12
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NUMBER OF SEQ ID NOS: 624
SEQ ID NO 136
LENGTH: 1938
TYPE: DNA
ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/10/170,481A CURRENT FILING DATE: 2002-10-10
                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630P1C53
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                                                              APPLICATION NUMBER: 60/077632
FILING DATE: 1998-03-11
                                                                                                APPLICATION NUMBER: 60/077450 FILING DATE: 1998-03-10
                               FILING DATE: 1998-03-11
                                                APPLICATION NUMBER: 60/077641
               APPLICATION NUMBER: 60/077649
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Botstein, David
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Williams, P. Mickey
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Stewart, Timothy A.
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Hillan, Kenneth J
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1998-03-11
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PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/06364
PRIOR FILING DATE: 1997-11-21
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR APPLICATION NUMBER: 60/077632
PRIOR APPLICATION NUMBER: 60/077632
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
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US-10-172-039A-136
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PRIOR FILING DATE: 1998-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 136
LENCTH: 1998
TYPE: DNA
ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                               CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
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APPLICANT: Baker Kevin P
APPLICANT: Botstein, Dav
                                                                                                                                                                                                                                                                                                                                                                                                FILE REFERENCE: P2630P1C30
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FILING DATE:
                               APPLICATION NUMBER: 60/
FILING DATE: 1998-03-11
          APPLICATION NUMBER: 60/077649
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
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Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Napier, Mary A.
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                                                    60/077641
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RESULT 31
US-10-145-016A-136
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NUMBER OF SEQ ID NOS: 624
SEQ ID NO 136
LENGTH: 1998
TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                         TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic FILE OF INVENTION: Acids Encoding the Same FILE OF INVENTION: Acids Encoding the Same CURRENT APPLICATION UNMBER: US/10/145,016A CURRENT FILING DATE: 2001-10-18 PRIOR APPLICATION UNMER: 09/918585 PRIOR APPLICATION UNMBER: 60/962250 PRIOR FILING DATE: 2001-07-30 PRIOR FILING DATE: 1997-10-17 PRIOR APPLICATION UNMBER: 60/062250 PRIOR FILING DATE: 1997-10-17 PRIOR APPLICATION UNMBER: 60/064249 PRIOR PRIOR DATE: 1997-11-03
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PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
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                                                                                                         PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
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PRIOR FILING DATE: 1998-03-12
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Shelton, David L.
Stewart, Timothy A.
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f, Ellen
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 Mismatches

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0.073;
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; LENGTH: 1998
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-145-016A-136
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US-10-145-088A-136
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PRIOR FILING DATE: 1998-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID 0 136
                                                                                                                                                  PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR TLING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-21
PRIOR FILING DATE: 1997-11-21
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Best Local
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                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630P1C49
CURRENT APPLICATION NUMBER: US/10/145,088A
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR FILING DATE: 2001-07-30
                                                                      PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
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                                    APPLICATION NUMBER: 60/077641 FILING DATE: 1998-03-11
FILING DATE: 1998-03-11
                    APPLICATION NUMBER: 60/077649
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: Baker Kevin P.
: Botstein, David
: Desnoyers, Luc
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Shelton, David L.
Stewart, Timothy A.
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Grimaldi, J. Christopher
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Kuo, Sophia S.
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PRIOR FILING DATE: 1998-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 136
LENGTH: 1998
TYPE: DNA
ORGANISM: Homo sapiens
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Matches
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                                                                                                                                                                                                                                                                                                                                              APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C51
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APPLICANT: Baker Kevin P
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PRIOR FILING DATE: 2001-07-09
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
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PRIOR EILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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CURRENT FILING DATE: 2002-10-10
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            APPLICATION NUMBER: 60/077641 FILING DATE: 1998-03-11 APPLICATION NUMBER: 60/077649
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Hillan, Kenneth J
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1998-03-11
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                                   Ouery Match 1.2%; Score 23; Best Local Similarity 100.0%; Pred. No. Matches 23; Conservative 0; Mismatc
                                                                                                                                                                       SEQ ID NO 53
LENGTH: 1998
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PRIOR FILING DATE: 1998-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
SEQ ID NO 136
LENGTH: 1998
TYPE: DNA
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Best Local Similarity 100.08;
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CURRENT APPLICATION NUMBER: US/10/125,923A

CURRENT FILING DATE: 2002-01-15
                                                                                                                                                                                                             Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 612
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PRIOR APPLICATION NUMBER: 60/063544
PRIOR FILING DATE: 1997-10-28
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1875 ТСТААЛААЛАЛАЛАЛАЛАЛАЛА 1897
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FILING DATE: 1997-10-28
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FILING DATE: 1997-10-17
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FILING DATE: 1997-10-24
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-165-353A-136
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US-10-165-353A-136
                                                                                                                                                       SEQ ID NO 136
LENGTH: 1998
                                                                      Query Match
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                                                                                                                                                                                       Remaining Prior Application data removed - See File Wrapper or PALM NUMBER OF SEQ ID NOS: 624
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PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
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APPLICANT: Baker Kevin P
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PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 1997-11-13
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1875 ТСТАРАВАРАВАВАВАВАВАВАВ 1897
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                                    l Similarity
23; Conserv
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Filvaroff, F
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Shelton, David L.
Stewart, Timothy A.
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Hillan, Kenneth J
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ellen
                                  0;
                                                  Score 23;
Pred. No.
                                  Mismatches
                                                  DB 6;
0.073;
                                  0
                                                                  Length 1998;
                                  Indels
                                0;
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                                Gaps
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1974 TGTAAAAAAAAAAAAAAAAAAA 1996

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; ORGANISM: Homo Sapien
US-10-125-923A-227
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US-10-125-923A-227
                                                                                                                                                                                                                               US-10-145-087A-156
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PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063120
PRIOR ETLING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063121
PRIOR APPLICATION NUMBER: 60/063121
PRIOR FILING DATE: 1997-10-24
                                                                                                                                                                                      sequence 156, Application US/10145087A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 227, Application GENERAL INFORMATION
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LENGTH: 2136
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Best Local
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APPLICANT:
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CURRENT APPLICATION NUMBER: US/10/125,923A

CURRENT FILING DATE: 2002-01-15
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                                                                                                                                                              APPLICANT: Ashkenazi, Avi
  APPLICANT:
                       APPLICANT:
                                       APPLICANT:
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                                                                                  APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR FILING DATE: 1997-10-28
Remaining Prior Application data removed - See File Wrapper or PALM
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PRIOR APPLICATION NUMBER: 60/063541
PRIOR FILING DATE: 1997-10-28
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                                                                                                                                                                                                                                                                                                                   2061 TGTAAAAAAAAAAAAAAAAAAA 2083
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Gurney, Austin L.
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                 Fong,
                                       Filvaroff, Ellen
                                                                                                 Botstein, David
Desnoyers, Luc
                                                                                                                                            Baker Kevin P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Zhang, Zemin
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                                                                                  Eaton, Dan
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                                                                                                                                                                                                                                                                                                                                                                                               Conservative
Wei-Qiang
                       Sherman
                                                                                                                                                                                                                                                                                                                                                                                             1.2%; Score 23; DB 6; Length 2136; 100.0%; Pred. No. 0.073; tive 0; Mismatches 0; Indels
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; TYPE: DNA; Homo sapiens US-10-145-087A-156
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                                                                                                                                                                                                                                                                                                Db
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/06250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/065341
PRIOR APPLICATION NUMBER: 60/077450
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR FILING DATE: 1998-03-10
                                                                         APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
                                                                                                                                                                        Sequence 156, Application US/10143031A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 156
LENGTH: 2680
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                                    APPLICANT:
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APPLICANT:
APPLICANT:
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PRIOR APPLICATION NUMBER: 60/
PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/10/145,087A CURRENT FILING DATE: 2001-10-18
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
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                      APPLICANT:
                                                                                                                                                                                                                                                                                                                1875 TGTAAAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                                                2655 TGTAAAAAAAAAAAAAAAAAAA 2677
                                                                                                                                                                                                                                                                                                                                                                                         Local
                                                                                                                                                                                                                                                                                                                                                                       23; Conservative
Fong, Sherman
Gao, Wei-Qiang
                                    Ferrara, Napoleon Filvaroff, Ellen
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Shelton, David L.
Stewart, Timothy A.
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Hillan, Kenneth J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Godowski, Paul J.
Grimaldi, J. Christopher
                                                                                                                                    Baker Kevin P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kljavin, Ivar J.
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                                                                                             Desnoyers, Luc
                                                                                                                   Botstein, David
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sophia S.
                      Sherman
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                                                                                                                                                                                                                                                                                                                                                                     1.2%; Score 23; DB 6;
100.0%; Pred. No. 0.072;
tive 0; Mismatches
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APPLICANT:

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US-10-145-092A-156
; Sequence 156, Application US/10145092A
; GENERAL INFORMATION:
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; ORGANISM: Homo sapiens
US-10-143-031A-156
                                                                                                                                                                                                            RESULT 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 156
LENGTH: 2680
                                                                                                      APPLICANT:
APPLICANT:
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Best Local S
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                                                     APPLICANT:
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                                                                                                                                                                                                                                                                                              1875 TGTAAAAAAAAAAAAAAAAAA 1897
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FILING DATE: 1997-11-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 60/077649
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
                                                                                                                                                                                                                                                                                                                               h 1.2%; Score 23;
Similarity 100.0%; Pred. No.
23; Conservative 0; Mismatc
                                                                                    Baker Kevin P.
Botstein, David
Desnoyers, Luc
                                                                                                                                        Ashkenazi, Avi
                Fong,
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Williams, P. Mickey
Wood, William I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Shelton, David L. Stewart, Timothy A.
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                                     Ferrara, Napoleon Filvaroff, Ellen
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Hillan, Kenneth J
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                                                                       Eaton, Dan
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Grimaldi, J. Christopher
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 , Sherman
Wei-Qiang
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0.072;
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                                                                                                                  RESULT 40
US-10-162-522A-156
US-10-162-522A-156
Sequence 156, Application US/10162522A
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
                                                                                                                                                                                                                                                                                                                                                                                               US-10-145-092A-156
                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 156
LENGTH: 2680
                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local
                                APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                             Matches
                                                                                  APPLICANT:
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                                                                    APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
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PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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CURRENT APPLICATION NUMBER: US/10/145,092A
CURRENT FILING DATE: 2002-10-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: 60/077791
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PRIOR FILING DATE: 1998-03-10
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APPLICANT:
                 APPLICANT:
                                                                                                                                                                                                                                                                                         ·1875 ТGTAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
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                                                                                                                                                                                                                                                       Local Similarity
les 23; Conserv
              Ferrara, Napoleon
Filvaroff, Ellen
Fong, Sherman
                                                                                                Baker Kevin P.
Botstein, David
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Shelton, David L.
Stewart, Timothy A.
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Godowski, Paul J.
Grimaldi, J. Christopher
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            Fong,
                                                                  Eaton, Dan
                                                                                  Desnoyers, Luc
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Hillan, Kenneth J
Gao, Wei-Qiang
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Napier, Mary A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pan, James;
                                                                                                                                                                                                                                                                                                                             Conservative
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0.072;
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; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 156
; LENGTH: 2680
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-162-522A-156
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                                                                                                                                                                                                                                      US-10-165-038A-156
                                                                                                                                                                                             Sequence 156, Application US/10165038A GENERAL INFORMATION:
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                          APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and TITLE OF INVENTION: Acids Encoding the Same FILE OF INVENTION: Acids Encoding the Same GURRENT APPLICATION NUMBER: US/10/162,522A CURRENT APPLICATION NUMBER: US/10/162,522A CURRENT FILING DATE: 2002-10-10 PRIOR APPLICATION NUMBER: 09/918585 PRIOR FILING DATE: 2001-07-30 PRIOR APPLICATION NUMBER: 60/062250 PRIOR APPLICATION NUMBER: 60/064249 PRIOR APPLICATION NUMBER: 60/064249 PRIOR FILING DATE: 1997-11-03 PRIOR FILING DATE: 1997-11-03 PRIOR FILING DATE: 1997-11-03 PRIOR FILING DATE: 1997-11-03 PRIOR FILING DATE: 1997-11-03
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APPLICANT: Baker Kevin P
        APPLICANT:
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PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
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PRIOR FILING DATE: 1997-11-13
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                                                                                                                                                                                                                                                                                                                                                                                                            23;
                                                                                  Botstein, David
Desnoyers, Luc
Eaton, Dan
                       Fong,
                                         Ferrara, Napoleon
Filvaroff, Ellen
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Stewart, Timothy A.
Tumas, Daniel
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                                                                                                                                                    Baker Kevin P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gurney, Austin L.
Hillan, Kenneth J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Goddard, Audrey
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                     Sherman
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0.072;
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CURRENT FILING DATE: 2001-07-09/918585
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/066364
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077632
PRIOR APPLICATION NUMBER: 60/077632
PRIOR APPLICATION NUMBER: 60/077641
PRIOR APPLICATION NUMBER: 60/077649
PRIOR APPLICATION NUMBER: 60/077649
PRIOR APPLICATION NUMBER: 60/077791
                                                                                                                                                                                                                                  US-10-165-353-156
                                                                                                                                                                                         Sequence 156, Applic GENERAL INFORMATION:
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SEQ ID NO 156
LENGTH: 2680
APPLICANT: A
APPLICANT:
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C29
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Fong, Sherman
Gao, Wei-Qiang
                                         Filvaroff, Ellen
                                                                                  Desnoyers, Luc
Eaton, Dan
                                                                                                                            Baker Kevin P.
Botstein, David
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Williams, P. Mickey
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Stewart, Timothy A.
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Hillan, Kenneth J
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Grimaldi, J. Christopher
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en, Mary E.
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100.0%; Pred. No.
tive 0; Mismatcl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    data removed -
                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
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DB 6; . 0.072;

Length 2680;

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See File Wrapper or PALM

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RESULT 43
US-10-170-481A-156
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Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 624

SEQ ID NO 156

LENGTH: 2680

TYPE: DNA

ORGANISM: Homo sapiens

US-10-165-353-156
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CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/91885
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR FILING DATE: 1997-11-03
                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local S
Matches 23
                                                                                                                                                                  Sequence 156, Application US/10170481A GENERAL INFORMATION:
                                                                         APPLICANT:
                                                          APPLICANT:
                                                                                                              APPLICANT:
                                                                                                                              APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P
                                        APPLICANT:
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   APPLICANT:
                     APPLICANT:
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                                                                                                                                                                                                                                                                           1875 TGTAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                                                                                           Local Similarity 1.2%; Score 23; DB 6; Local Similarity 100.0%; Pred. No. 0.072; Pes 23; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 60/077641 FILING DATE: 1998-03-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 60/066364
FILING DATE: 1997-11-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: 60/077791
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: 60/077632 FILING DATE: 1998-03-11
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FILING DATE: 1997-11-13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
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Shelton, David L.
Stewart, Timothy A.
Tumas, Daniel
Fong, Sherman
Gao, Wei-Qiang
                                  Filvaroff, Ellen
                                                                                       Baker Kevin P.
Botstein, David
Desnoyers, Luc
                                                                           Eaton, Dan
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Hillan, Kenneth J
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                   Sherman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1998-03-10
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                                                                                                                                                                                                                                                                                                                                                                                    Length 2680;
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US-10-172-039A-156
; Sequence 156, Application US/10172039A
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
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                                                                                                                                                                                                                            RESULT 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: 09/918/95
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/06/220
PRIOR APPLICATION NUMBER: 60/06/220
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-11-03
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/06/364
PRIOR FILING DATE: 1997-11-12
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LENGTH: 2680
                                                 APPLICANT:
APPLICANT:
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Best Local Similarity
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                  APPLICANT:
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PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
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                                                                                                                                                                                                                                                                                             1875 TGTAAAAAAAAAAAAAAAAAAAAA 1897
                                                                                                                                                                                                                                                                             2655 TGTAAAAAAAAAAAAAAAAAA 2677
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Fong, Successions, Wei-Qiang
                                               Filvaroff, Ellen
                                                                                 Eaton, Dan
                                                                                                  Desnoyers, Luc
                                                                                                                    Baker Kevin P.
Botstein, David
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Shelton, David L.
Stewart, Timothy A.
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Hillan, Kenneth J
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Godowski, Paul
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Paoni,
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                                                                                                                                                                                                                                                                                                                                            ilarity 100.0%; I Conservative 0;
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                                                                                                                                                                                                                                                                                                                                                           1.2%; Score 23; DB 6; 100.0%; Pred. No. 0.072;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       data removed -
                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    See File Wrapper or PALM
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                                                                                                                                                                                                                                                                                                                                            Gaps
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APPLICANT:

Gerber,

Hanspeter

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; SEQ ID NO 156
; LENGTH: 2680
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-172-039A-156
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FILE REFERENCE: P2630P1C30
CURRENT APPLICATION NUMBER: US/10/172,039A
CURRENT FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: 09/91885
PRIOR FILING DATE: 2001-07-30
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-11-03
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/06311
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/06364
PRIOR APPLICATION NUMBER: 60/0707450
PRIOR APPLICATION NUMBER: 60/0707450
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/0707450
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/0707450
PRIOR FILING DATE: 1998-03-10
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                                                                                                                                                                                                                            US-10-145-016A-156
                                                                                                                                                                                                                                               RESULT 45
                                                                                                                                                                                 Sequence 156, Application US/10145016A GENERAL INFORMATION:
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APPLICANT:
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PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
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                                                                                                                                                                                                                                                                                                          2655 TGTAAAAAAAAAAAAAAAAAAA 2677
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es 23; Conserv
                                                                              Baker Kevin P.
Botstein, David
Desnoyers, Luc
Eaton, Dan
                                                                                                                                                              Ashkenazi, Avi
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Williams, P. Mic
Wood, William I.
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Shelton, David L.
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Gao, Wei-Qiang
                                      Filvaroff, Ellen
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                   Sherman
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; TYPE: DNA; ORGANISM: Homo sapiens US-10-145-016A-156
Search completed: November Job time: 105.998 secs
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/066311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR APPLICATION NUMBER: 60/077450
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LENGTH: 2680
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PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
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Stewart, Timothy A.
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Database : Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries Minimum DB seq length: 0
Maximum DB seq length: 2000000000 Scoring table: Title: Perfect score: Total number of hits satisfying chosen parameters: Sequence: OM nucleic • nucleic search, using sw model IDENTITY_NUC
Gapop 10.0 , Gapext 1.0 US-09-970-966-214 1897 November 7, 2002, 09:51:07; Search time 4825.36 Seconds (without alignments) 11441.218 Million cell updates/sec 2054640 seqs, 14551402878 residues GenEmbl: * Copyright em_htg_hum:*
em_htg_inv:*
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TITLE	AUTHORS	REFERENCE		ORGANISM	SOURCE	KEYWORDS	VERSION	ACCESSION	DEFINITION	LOCUS	AX136281	RESULT 1
Hayashi, K. Secretory protein or membrane protein	Ota,T., Isogai,T., Nishikawa,T., Kawai,Y., Suqiyama,T. and	1 (bases 1 to 1890)	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo	Homo sapiens	human.		AX136281.1 GI:14272687	AX136281	92.	AX136281 1890 bp DNA linear PAT 30-MAY-2001		

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CTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAACGGGCCAAGGCCCAAGAAAAG 600
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                                                       AG-CCTCTTCTCGGCACACTGCTGAA-CTGAAGGAGATGCCACCCCCTCCTGCATTGTTC
                                                                    AGCCCTCTTCTCGGCACACTGCTGAAGCTGAAGGAGATGCCACCCCCTCCTGCATTGTTC 720
                                                                                                             GGGAAGTTCTGCCTCGGCCCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATT
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Helix Research Institute (JP)
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//db_xref="G:114272688"
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//tanslation="mmtugiafateglefllpgfalQiqcyqceefqlundcsspefiv
/translation="mmtugiafateglefllpgfalQiqcyqceefqlundcsspefiv
NCTVNVQDMCQXEVMEQSAGIMYRKSCASSAACLIASAGYQSFCSPGKLNSVCISCCN
TPLCNGPRPKKRGSSASALRPGLRTTILFLKLASSRHTAELKEMPPPPALFFQPSPPT
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ОУ	20 21	GAGACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGA 1	7 6
Фу	1261 1273	AAATCTTCTCAGTTCT-CCTTGCAGAGGACTGGCGCCGGGACGCGAAGAGGCAACGGGCGC 1	319
Qy Db	1320 1333	TGCACAAAGCGGGGCTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGG 1	379
Qy Db	1380 1393	TIGGCGTGCTGCAGCGACAGGCGGCAGCACAGCACCTGCACGAACACCCGGCGAAACTGC 1 	439
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Qy Db	1740 1753	GGCCAGGAAATGGTACCAATTTTTCAGTGTTTGGACTTGACAGCTTCTTTTGCCACAAGCA 1	.799 .812
Оу	1800 1813	AGAGAGAATTTAACACTGTTTCAAACCCGGGGGAGTTGGCTGTGTTAAAGAAAG	.859

Best Local Best	CDS BASE COUNT ORIGIN	FEATURES SOURCE	REFERENCE AUTHORS TITLE JOURNAL COMMENT	REFERENCE AUTHORS TITLE JOURNAL	ACCESSION VERSION KEYWORDS SOURCE ORGANISM	Qy 1860 A Db 1873 A RESULT 2 AK094501 LOCUS DEFINITION
Local Similarity 96.4%; pred. No. 0; length 1832; l	/db_xref="taxon:9606" /clone="BRALZ2001350" /tissue_type="alzheimer cortex" /clone_lib="aRALZ2" /note="cloning vector: pME18SFL3" /note="unnamed protein product" /codon_start=1 /protein_id="BAC04368.1" /protein_id="BAC04368.1" /protein_id="BAC04368.1" /protein_id="BAC04368.1" /protein_id="MWVLGIAATFCGLFLLPGFNCTVNVObDCKEVMEQSAGIMYRKSCASSAAC TPLCNGPRPKKRGSSASALRPGLRTTILFLKLA 411 a 501 c 513 g 407 t	construction: Helix Research Institute (HRI) (supported by Japan Key Technology Center etc.); 5'- & 3'-end one pass sequencing: RAB, HRI, and Biotechnology Center, National Institute of Technology and Evaluation; clone selection for full insert sequencing: HRI and RAB; annotation: HRI and RAB. Location/Qualifiers 1.1832 /organism-"Homo sapiens"	Si (bases 1 to 1832) Si Isogai, T. and Yamamoto, J. Si Isogai, T. and Yamamoto, J. Direct Submission NL Submitted (04-JUL-2002) Takao Isogai, FLJ Project(HRI Team); 2-6-7 NL Submitted (04-JUL-2002) Takao Isogai, FLJ Project(HRI Team); 2-6-7 Kazusa-Kamatari, Kisarazu, Chiba 292-0812, Japan (E-mail:genomics@hri.co.jp, Tel:81-438-52-3975, Fax:81-438-52-3986) NEDO human cDNA sequencing project supported by Ministry of Economy, Trade and Industry of Japan; cDNA full insert sequencing:	ammalia; Eutheria; Primates; Catarrhini; Hominidae; awakami,B., Sugiyama,A., Takemoto,M., Sugiyama,T., tsuki,T., Sato,H., Wakamatsu,A., Ishii,S., Yamamotcawali-Hio,Y., Salto,K., Nishikawa,T., Kimura,K., Yan atsuo,K., Nakamura,Y., Sekine,M., Kikuchi,H., Kanda agatsuma,M., Murakawa,K., Kanehori,K., Takahashi-Fundinga,A., Suzuki,Y., Sugano,S., Nagahari,K., Masuhca Isogai,T. EDO human cDNA sequencing project npublished	mRNA. AK094501 AK094501.1 GI:21753575 Oligo capping; fis (full insert sequence). Homo sapiens alzheimer cortex cDNA to mRNA, clone_lib:BRALZ2 Clone:BRALZ2001350. Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens Homo sapiens	AAATGCTTTAGACAGTGT 1877
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Sequence 15 from Patent W00193983.
                                                                                        Baker K.P., Desnoyers.L., Gerritsen,M.E., Goddard,A., Godowski,P.J., Grimaldi,J.C., Gurney,A.L., Smith,V., Watanabe,C.K. and Wood,W.I.
                                                                                                                                                 Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Sulston, J. E. and Waterston, R. Toward a complete human genome sequence Genome Res. 8 (11), 1097-1108 (1998) 99063792
                                                                                                Submitted (09-JAN-2002) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 6. On Aug 9, 2001 this sequence version replaced gi:14488388.
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                              Web site: http://genome.wustl.edu/gsc
Contact: sapiens@watson.wustl.edu
Center project name: H_NH0258B17
                                                                Center: Washington University Genome Sequencing Center code: WUGSC
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NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap between neighboring data submissions.
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This sequence was finished as follows unless otherwise noted: all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by restriction digest.

MAPPING INFORMATION:

Mapping information for this clone was provided by Dr. John D. McPherson, Department of Genetics, Washington University, St. Louis MO. For additional information about the map position of this sequence, see http://genome.wustl.edu/gsc

SOURCE INFORMATION:

The RPCI-11 human BAC library was made from the blood of one male donor, as described by Osoegawa, K., Woon, P.Y., Zhao, B., Frengen, E., Tateno, M., Catanese, J.J. and de Jong, P.J. (1998) An improved approach for construction of bacterial artificial chromosome libraries. Genomics 51:1-8. The clone may be obtained either from Research Genetics, Inc. (http://www.resgen.com) or Pieter de Jong and coworkers at the Roswell Park Cancer Institute (http://bacpac.med.buffalo.edu) VECTOR: pBACe3.6 NEIGHBORING SEQUENCE INFORMATION: NEIGHBORING SEQUENCE INFORMATION: The clone sequenced to the right is RPI1-159N20, 2000 bp overlap. Actual start of this clone is at base position 1 of RPI1-258B17; actual end is at base position 60003 of RPI1-159N20.

RP11-258B17 contains a single plasmid region from 1230 to 1239 Location/Qualifiers

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                                                       ACTGGGGCTCGGCCTCGCCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAG 1284
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          /translation="MASPSLPGSDCSQIIDHGHVPEEBVATWIKITILIVYMI LIGNSATIRVTQVLQKKGYLQKEVTDHAVSLACSDILVELRIMPETYSIIWNELTTS SYTLSCKLHTPELFEACSYATLLHVLTLSFERYIAIGHBFYKANYSGPCQVKLLLGSVW VTSALVALPTLFACSTPLVNVPSHRGLTCNRSSTRHHEQPETSNMSICTNLSSRWT VFQSSLFGAFVYLVVLLSVAFMCWNMQVLMKSQKSLAGGTSADLLRSESEBSRT ARRQTIFERLIVVTLAVCKWBNOIGRAIMAAAKKHHDWTRSYERAYMILLFESETESYER ARRQTIFERLIVVTLAVCKWBNOIGRAIMAGAKKHHDWTRSYERAYMILLFESETESYER ARRQTIFERLIVVTLAVCKWBNOIGRAIMAGAKKHHDWTRSYERAYMILLFESETESYER ARRQTIFERLIVVTLAVCKWBNOIGRAIMAGAKKHHDWTRSYERAYMILLFESETESYERSYINPLLYTVSSQQFRRVFVQVLCCRLSLQHANHEKRLRVHAHSTTDSARFVQRPL
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LFASRRQSSARRTEKIFLSTFQSEAEPQSKSQSLSLESLEPNSGAKPANSAAENGFQE
                                                                                                      /protein_id="CAD19382.1"
/db_xref="GI:17901492"
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                                                                                                          ATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAGACT
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                                                      CAATGACTGGGACTTAGACTGGGGCTCGGCCTCGAAAAGTGCTTAAGAAAATCTT
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                                                                                                                                                                                                                                                                                             Tissue Procurement: ATCC CDNA Library Preparation: Rubin Laboratory CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: National Institutes of Health Intramural Sequencing Center (NISC),
                            Clone distribution: MGC clone distribution information can be fo through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov Series: IRAL Plate: 39 Row: b Column: 19 This clone was selected for full length sequencing because it passed the following selection criteria: Hexamer frequency ORF analysis, Similarity but not identity to protein.
                                                                                                                                                      Contact: nisc_mgc@nhgri.nih.gov
Shevchenko,Y., Wetherby,K.D., Beckstrom-Sternberg,S.M.,
Benjamin,B., Blakesley,R.W., Bouffard,G.G., Brinkley,C., Brooks,S.,
Benjamin,B., Blakesley,R.W., Bouffard,G.G., Brinkley,C., Brooks,S.,
Dietrich,N.L., Guan,X., Gupta,J., Ho,S.-L., Karlins,E., Legaspi,R.,
Lim,M., Maduro,Q.L., Masiello,C., Mastrian,S.D., McCloskey,J.C.,
McDowell,J., Pearson,R., Snyder,B., Stantripop,S., Thomas,P.J.,
Tiongson,E.E., Touchman,J.W., Tsurgeon,C., Vogt,J.L., Walker,M.A.,
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Homo sapiens, clone MGC:29643 IMAGE:3641660, mRNA, complete
BC017318
BC017318.1 GI:16878230
                                                                                                                                                                                                                                                                           Gaithersburg, Maryland; Web site: http://
                                                                                                                                                                                                                                                                                                                                                                                      Contact: MGC help desk Email: cgapbs-r@mail.n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Submitted (05-NOV-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer
                                                                                                                                               Zhang, L.-H. and Green, E.D.
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1 (bases 1 to 946)
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                     ACCCCCCACCTGCCTGAGTGAGTTTCTTCTGGGTGTCCTTTTATTCTGGGTAGGGAGCGG
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/db_xref="G1:16878240"
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/translation="MMVLGIAATFCGLFLLPGFALQIQCYQCEEFQLNNDCSSPEFIV
/translation="MMVLGIAATFCGLFLLPGFALQIQCYQCEEFQLNNDCSSPEFIV
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/db_xref="taxon:9606"
/clone="MGC:29643 IMAGE:3641660"
/tissue_type="Pancreas, adenocarcinoma"
/clone_lib="NIH_MGC_39"
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Pred. No. 5.6e-200;
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Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Rodentia;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (E-mail:khashi@nih.go.jp, URL:http://www.nih.go.jp/yoken/genebank/.
Tel:81-3-5285-1111(ex.2120), Fax:81-3-5285-1181)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Infectious Diseases, Division of Genetic Resources;
1-chome, Shinjuku-ku, Tokyo 162-8640, Japan
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hashimoto,K
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/translation="mwvlgiaatfcglfwlpglalqiqcyqceefqlnndcsspefiv
NCTVNVQDMCQKEVTEQSAGIMYRKSCASSAACLIASAGYQSFCSPGKLNSVCISCCN
TPLCNGPRPKKRGSSASAIRPGLLTTLLFFHLALCLAHC"
                                                                /protein_id="BAA95101.1"
/db_xref="GI:7670500"
                                                                                                                                                                         /clone_lib="Sugano mouse
/dev_stage="adult"
                                                                                                                                                                                                                                                                                          /strain-"C57BL"
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                                                                                                                                  /note="unnamed protein product"
                                                                                                              codon_start=
                                                                                                                                                                                                                                                 /clone="MNCb-0671"
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                                                                                                                                                                                                                                                                                                            'organism="Mus musculus"
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                                                                                                            ACTTGAAGGAAGGAGGTGGAGTGAAAGTTCACCCCCATGTCTGTAACCGGAGTCAAGG
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                                                                            Submitted (25-JUL-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC/DCTD/DTP
                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

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Homo sapiens, clone IMAGE:4026092,
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GAGAACACAGTAAATAAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTG
                                                                           CAATCAGCCCTGGGCAGACACGAGCAGGAGGGGGGGGAGAGAAAAGGAAAAACACAGCAT
                                                                                                                                                        TGGCCGCAGCCATGATCCTCCGAATCTGGTTGGGCATCCAGCATACGGCCAATGTCACAA
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                                                                                                                                                                                                                                                                                                               GCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCG
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This clone was selected for full length sequencing because passed the following selection criteria: Hexamer frequency
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cDNA Library Preparation: Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Institute for Systems Biology
http://www.systemsbiology.org
contact: amadan@systemsbiology.org
Anup Madan, Rachel Dickhoff, Jessica Fahey, Stephanie Ford,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Greene, Mark Ketteman and Anuradha Madan
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /tissue_type="Skin, melanotic melanoma."
/clone_lib="NIH_MGC_20"
/lab_host="DH10B-R"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="Homo sapiens"
/db_xref="taxon:9606"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Insert size: 206000; agarose-fp
Insert size: 212112; sum-of-contigs
Quality coverage: 0.00 in Q20 bases; agarose-fp
Quality coverage: 11.62 in Q20 bases; sum-of-contigs
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                                                                                                                                                                                                                                                                                                                                        Sequencing vector: M13; 0% Sequencing vector: plasmid; 100%
                                                                                                                                                                                                                                                                                                                                                                                                         Direct Submission Submitted (14-JUN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 (bases 1 to 209885) McPherson, J.D. and Waterston, R.H.
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                                                                                                                                                                                                                                                                                                                                                                                                                                            Contact: submissions@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Web site:http://genome.wustl.edu/gsc/index.shtml
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Center code: WUGSC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Parkway, St. Louis, MO 63108, USA
On Jul 5, 2002 this sequence version replaced gi:21426614
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Mammalla; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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             NOTE: This is a 'working draft' sequence. It currently consists of 5 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.
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11331: contig of 11331 bp in length
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Best Local Similarity
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/chromosome="UNK"
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                                                                                                                                                                        CCTCCCATCCCAATCTGGTTAACCACCGCCAAGGCTAGCCTGGAAGAACCAGCCCTTAGA
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                                                         AGTCATTGAGATACGCATCTGCCTTTCCCAAAGCCTTGAGCTTCCATTCTGTCCCAGTAG
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/note="assembly_name:Contig11"
107485. .209885
/note="assembly_name:Contig12"
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28718. .49454
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11432. .28617
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-TGAGACTGCAGAGTGAGAGTGACGTTTTCTTAGGGCTG
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                Isogai, T., Nishikawa, T., Kawai, Y.,
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           Galvin, K.A. and Rudolph-Owen, L.A. Methods and compositions for the diagnosis cardiovascular and tumorigenic disease usir Patent: WO 0181634-A 1 01-NOV-2001; Millennium Pharmaceuticals, Inc. (US)
                                                                                                                                                                                Sequence 1 from AX319942 AX319942.1 GI:1
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                 Homo sapiens
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/db_xref="taxon:9606"
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                                                                                                                   CAGGCGCTTCTCGTGGTTGGCGTGCTGCAGCGAGCGAGGCGGCAGCAGCAGCACCTGCACGAA 1423
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McKee, K.K., Tan, C.P., Pal.
Hreniuk, D.L., Smith, R.G.,
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LSSVINPLLYTVSSQQFRRVEVQVLCCRLSLQHANHEKRLRVHAHSTTDSAREVQRPL
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Van Der Ploeg,L.H.T. and Howay
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RS Muzny, D. M., Addams, C., Adio-Oduola, B., Ali-osman, F.R., Allen, C., Alsbrooks, S.L., Amaratunge, H.C., Are, J.R., Ayele, M., Banks, T., Alsbrooks, S.L., Amaratunge, H.C., Are, J.R., Ayele, M., Banks, T., Barbaria, J., Benton, J., Bimage, K., Blankenburg, K., Bonnin, D., Bouck, J., Benton, J., Bimage, K., Blankenburg, K., Bonnin, D., Bouck, J., Bouck, J., Burkett, C., Burce, E., Brown, M., Bryant, N.P., Burbaria, J., Boule, S., Burcell, K.L., Byrd, N.C., Chen, G., Chen, K., Chen, Z., Chowdhry, I., Christopoulos, C., Chen, G., Chen, R., Chen, Z., Chowlard, J., Dederich, D.A., Delaney, K.R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H.H., Delyand, C.D., Coyle, M.D., Dathorne, S.R., David, R., Delyand, C.D., Coyle, M.D., Dathorne, S.R., Durbin, K.J., Delaney, K.R., Bayed, N.C., Coyle, M.D., Dathorne, S.R., David, R., Delyand, C.D., Dathorne, S.R., David, R., Delyand, C.D., Dathorne, S.R., David, R., Delyand, C., David, R., L., Ding, Y., Dinh, H.H., Delyand, C., Harris, K., Hart, M., Havlak, P., Hawes, A., Hernandez, J., Hernandez, O., Hogson, M., Havlak, P., Hawes, A., Hernandez, J., Jackson, E., Kally, S., Hamilton, K., Jackson, E., Kelly, S., Hamilton, K., Jackson, E., Kally, S., Hamer, J., Jackson, L.E., Jackson, E., Kelly, S., Khan, U., King, L., Korvah, J., Jackson, L.E., Jackson, E., Karlsson, E., Kelly, S., Hume, J., Jackson, L.E., Jackson, E., Karlsson, E., Kelly, S., Hamel, J., Jackson, L.E., Ludado, R., Jackson, E., Karlsson, E., Kollins, B., Karlsson, E., Martin, R., Martindale, A., Martinez, E., Mansey, E., McLear, A., Tucler, R., Martindale, A., Martinez, E., Mansey, E., McLear, M., Mortis, S., Martington, S., Washington, C., Wallington, C., Wallington, S., Washington, C., Wallington, S., Wallington, S., Wallington,
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AC112072.3 GI:21744373
HTG; HTGS_PHASE1.
   Submitted (19-FEB-2002) Human Genome Sequencing Center, Department
                           Direct Submission
                                         Worley, K.C.
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                                                                        Unpublished
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Mammalia; Eutheria;
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AUTHORS
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Direct Submission
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Baylor Plaza, Houston, TX 77030, USA
3 (bases 1 to 92874)
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NOTE: This is a 'working draft' sequence. It currently consists of 50 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown.

This record will be updated with the finished sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 as soon as it is available and the accession number be preserved.
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Consensus quality: 32512 bases at least Q40
Consensus quality: 34515 bases at least Q30
Consensus quality: 35930 bases at least Q20
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Center clone name: CH230-286021
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58		757	Db :
1675	16 CACAACAATCAGCCCTGGGCAGACACGAGCAGGAGGAGAGAGA	16	0
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56	96 CTCCGAGAAGGGGAAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTT	14 756	Qy db
1495	36 CTGCTGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGT	14	Qy
75638		755	Db
1435	76 GTGGTTGGCGTGCTGCAGCGACAGCAGGCGCAGCACCAGCACCACGAACACCCGGCGG	13	Qy
75578		755	Db
1375	16 GCGCTGCACAAAGCGGGCGCTGTCGGTGGTGGACTGCGCATGTACGCGCAGGCGCTTCTC	13	dd
75518		754	Vo
1315	62 AATCTTCTCAGTTCTCCTTGCAGAGGACTGGGGCCGGGAGGCGAAGAGAGAGGG	12	Qy
75458		753	db
1261	05 ACTCAATGACTGGGACTTAGACTGGGGCTCGGCCTCGCTCTGAAAAGTGCTTAAGAA	753	Qy
75398			Db
1204	45 ACCATTCTCTGCAGCAGAATTGGCTGGTTTCGCGCCTGAGTTGGGCTCTAGTGACTCGAG	11	Db
75338		752	Qy
1144	85 GGAGGGCCAGTTCCCACTCAAGGCTCCCTCGCTTGACATTCAAACTTCATGCTCCTGAAA	10	dq
75278		752	Qy
1084	33 GATGGGGGCATAGTTTGAGACTGCAGAGTGAGGTGACGTTTTCTTAGGGCT	10	ОУ
75219		751	Др
1032	73 TAGAAGTCACTGAGGTGGGCATCTGCCTTTGTAAAGCCTCCAGTGTCCATTCCATCCCT	9	Db
75159		751	Qy
972 75099	13 GAAAGTTCACCCCCATGTCTGTGTAACCGGAGTCAAGGCCAGGCTGGCAGAGTCWGTCCT	750	dg Qy
912 75039	53 TTCTGAATAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGAAGGAGGTGGAGT	749	Qy Db
852	93 GAGCGGGAGTCCGTGTTCTCTTTTGTTCCTGTGCAAATAATGAAAGAGCTCGGTAAAGCA	749	dg
74979			VQ
792	34 CCCCAACCCCCACCTCCCTGAGTGAGTTTCTTGTGGGTGTCCTTTTATTCTGGGTAG-G	73	Qy
74919		7486	Db
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Novel ovarian cancer polypeptide and polynucleotide, useful for
                        WPI; 2002-500186/53.
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                                                                                                                                                                                                           cytostatic; gene; ss.
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                                                                                                                                                                                         Homo sapiens.
                                                                                                                                                                                                                     Human; ovarian cancer; ovarian carcinoma; gene therapy; immunotherapy;
                                                                                                                                                                                                                                        Human ovarian carcinoma associated coding sequence SEQ ID NO:
                                                                                                                                                                                                                                                                                                         ABT03284 standard; cDNA; 1897 BP.
                                          Stolk JA, Algate PA,
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                                                                                                              CC The invention relates to ovarian tumour polynucleotides and polypeptides CC that may be utilised in cancer therapy, for example in a vaccine or CC gene therapy. Polypeptides and polynucleotides of the invention are CC useful for detecting a cancer in a patient, for stimulating and/or CC expanding T-cells specific for a tumour protein, and for inhibiting the CC development of a cancer in a patient. They are also useful for CC stimulating an immune response in a patient, and for treating a cancer in CC a patient and for determining the presence of a cancer in a patient. CC The isolated polynucleotides of the invention are useful for their CC ability to selectively form duplex molecules with complementary stretches CC of the entire desired gene or gene fragments, and for designing and CC preparing ribozyme molecules for inhibiting expression of tumour CC polypeptides in tumour cells. Polypeptides and polynucleotides of the CC invention are also useful in recombinant DNA molecules to direct CC expression of a polypeptide in appropriate host cells. The current CC sequence represents the ovarian carcinoma 01034C/O591S consensus
                          Query Match
Best Local Simi
Matches 1897;
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                                                            Human; secreted protein; diagnosis; immunosuppressive; antiarthritic; antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial; virucide; fungicide; ophthalmological; gene therapy; autoimmune disease; neoplasm; rheumatoid arthritis; hyperproliferative disorder; cardiac arrest; cardiovascular disorder; cerebrovascular disorder; cerebral ischaemia; angiogenesis; nervous system disorder; Alzheimer's disease; infection; angiogenesis; nervous system disorder; Alzheimer's disease; infection;
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                                      disorder; corneal infection;
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                                  wound healing;
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               autoimmine diseases e.g. rheumatoid arthritis, hyperproliferative disorders e.g. neoplasms of the breast or liver, cardiovascular disorders e.g. cardiac arrest, cerebrovascular disorders e.g. cardiac arrest, cerebrovascular disorders e.g. Alzhelmer's ischaemia, angiogenesis, nervous system disorders e.g. Alzhelmer's disease, infections caused by bacteria, viruses and fungi and ocular disorders e.g. corneal infection. The polypeptides can also be used to aid wound healing and epithelial cell proliferation, to prevent skin aging due to sunburn, to maintain organs before transplantation, for supporting cell culture of primary tissues, to regenerate tissues and in chemotaxis. The polypeptides can also be used as a food additive or preservative to increase or decrease storage capabilities. AAP22364 to AAP22372 and AAB63133 represent sequences used in the exemplification of the present inventor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           used to prevent, treat or ameliorate a medical condition in e.g. humans, mice, rabbits, goats, horses, cats, dogs, chickens or sheep. They are also used in diagnosing a pathological condition or susceptibility to a pathological condition. Disorders which are diagnosed or treated include
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              to AAB63182. AAB63183 to AAB63231 represent more human secreted protein and polypeptides homologous to them. Human secreted proteins have scrivities based on the tissues and cells the genes are expressed in Examples of activities include: immunosuppressive; antiarthritic; antifreumatic; antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective; nottropic; neuroprotective; antibacterial; virucide; fungicide; and ophthalmological. The polynucleotides and proteins can bused to prevent, treat or ameliorate a medical condition in e.g. humans and the protein can be seen to see the process of the protein can be seen to see the process of the protein can be seen to see the process of the protein can be seen to see the protein can be seen to see the process of the protein can be seen to see the protein can be seen to seen the protein can be seen to see the protein can be seen to see
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Isolated nucleic acid molecule encoding a human secreted
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Human secreted proteins AAB75506 - AAB75554 are encoded by polynucleotide
c sequences AAF64176 - AAF64224. The specification includes amino acid
c sequences AAB75555 - AAB75606 which represent fragments of the human
secreted proteins, and protein sequences with which they share homology.
The proteins and protein sequences with which they share homology.
C ractivities dependent on the tissues and cells in which they are
c expressed, examples of these activities include, immunosuppressive;
C vasotropic; cerebroprotective; antiproliferative; cytostatic; cardiant;
C vasotropic; cerebroprotective; nootropic; neuroprotective; antibacterial;
C virucide; fungicide; ophhalmalogical; and vulnerary. The proteins,
C polynucleotides, agonists and antagonists can be used to treat or detect
c or diagnose various diseases and disorders including, autoimmune
C diseases e.g. rheumatoid arthritis, hyperproliferative disorders
C e.g. neoplasms of the breast or liver, cardiovascular disorders
C e.g. neoplasms of the breast or liver, cardiovascular disorders
C e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral ischaemia,
C infections caused by bacteria, viruses and fungi and ocular disorders
C infections caused by bacteria, viruses and fungi and ocular disorders
e.g. corneal infection. The polypeptides can also be used to aid wound healing and epithelial cell proliferation, to prevent skin ageing due to sunburn, to maintain organs before transplantation, for supporting cell culture of primary tissues, to regenerate tissues and in chemotaxis. The polypeptides can also be used as a food additive or preservative to increase or decrease storage capabilities. Included in the invention are polynucleotide sequences AAF64167 - AAF64175 and peptide AAB75505 which are used in the isolation, identification and characterisation of the proteins of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim
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P-PSDB; AAB75518.
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Ş Ş 밁 В Ş 밁 Ş B Ş 밁 δÃ 밁 Š 밁 Query Match Best Local Similarity Matches 1856; 1755 1935 1635 1695 1815 1875 439 379 259 199 139 79 19 GGTGCTCGGCCCGGGAGCGCGAGCGGGAGCAGAGACCCGCAGCCGGGAGCCCGAGCG 78 GCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGC 498 GGTGCTCGGCCCGGGAGCGCGAGCGGAGGAGCAGAGCCCGCAGCCGGAGCCCGAGCC GCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCCCC CGCGGCAGCAGCAGCCCCAGCAGCCTCGGCAGCCACAGCCGCTGCAGCCGGGGCAGC CGGGCGATGCAGGCTCCGCGAGCGGCACCTGCGGCTCCTAAGCTACGACCGTCGTCTC 138 GCTGCAAATCCAGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCC AATGTGGGTCCTAGGCATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGC AATGTGGGTCCTAGGCATCGCGGCAACTTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGC CTCCGCTGCTGCTCCTCTGATGCGCTTGCCCTCTCCCGGGCCCCGGGACTCCGGGAG CTCCGCTGCTGTCGCCTCCTCTGATGCGCTTGCCCTCTCCCGGGCCCCGGGACTCCGGGAG Conservative 97.3%; 2; Mismatches Score 1845.8; Pred. No. 0; DB 22; Length 1956; 1; Indels 1; Gaps 198 1576 378 1636 318 1696 258 1756 1816 1876 1;

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	Qy 1519 TGTACGCCC Db 436 TGTACGCCC	Qy 1459 GGAGCGGGT Db 496 GGAGCGGGT	QY 1399 GGCGGCAGC Db 556 GGCGGCAGC	Qy 1339 CGGTGGTGG Db 616 CGGTGGTGG	Qy 1279 TTGCAGAGG	Qy 1219 ACTTAGACT Db 736 ACTTAGACT	Qy 1159 CAGAATTGC	Qy 1099 CACTCAAGG	Qy 1039 GGCATAGTT Db 916 GGCATAGTT	Qy 979 TCACTGAGG Db 976 TCACTGAGG	Qy 919 TCACCCCA Db 1036 TCACCCCCA	Qy 859 ATAAATTCA Db 1096 ATAAATTCA	Qy 799 GAGTCCGTG Db 1156 GAGTCCGTG	Qy 739 ACCCCCAC Db 1216 ACCCCCCAC	Qy 679 CTGCTGAAG Db 1276 CTGCTGAAG	Qy 619 CCTCAGGCC Db 1335 CCTCAGG-C	Qy 559 CTGCAACAC Db 1395 CTGCAACAC	Db 1455 CTCTGCCGG
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Sequence 1956 BP; 430 A; 543 C; 524 G; 456 T; 3 other;

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                                    which encode human secretory or membrane proteins represented by AAB88317 - AAB88419. Included in the invention are primers AAF93917 - AAF94295 and AAF62232 - AAF62235 which are used to isolate the CDNA sequences of the invention. The invention also includes methods for the production of antibodies directed against the proteins, and cDNA sequences, which can be used in vaccines. The polynucleotide sequences can be used in gene therapy. The polynucleotide sequences and the proteins they encode may be used in the prevention, treatment and diagnosis of diseases associated with inappropriate secretory protein/membrane protein expression. The nucleic acids and complementary sequences may also be used as DNA probes in diagnostic assays
(e.g. polymerase chain reactions (\overline{PCR})) to detect and quantitate the presence of similar nucleic acid sequences in samples. They may also used to study the expression and function of secretory proteins/memba
                                                                                                                                                                                                       This invention relates to nucleic acid sequences AAF93744 - AAF93916
                                                                                                                                                                                                                                                                Nucleic acids encoding secretory proteins/membrane proteins, useful gene therapy or as candidate target molecules in drug development -
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11-JAN-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            polypeptides and their role in metabolism. The polypeptides may be used as antigens in the production of antibodies against them and in assays to identify modulators (agonists and antagonists) of expression and activity. The antibodies and antagonists may also be used as therapeutic agents to down regulate expression and activity. The antibodies may also be used as diagnostic agents for detecting the presence of the polypeptides in samples (e.g. by enzyme linked immunosorbant assay (ELISA). Examples of diseases which may be treated include rheumatoid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 1890 BP; 419 A;
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CTCGGTAAAGCATTCTGAATAAATTCAGCYTGACTGAATTTTCAGTATGTACTTGAAGGA
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The present invention provide and coding sequences. The sequences treatment of ovarian cancers, of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1561
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel ovarian cancer polypeptide and polynucleotide, useful for detecting the presence of ovarian cancer in a patient, and in pharmaceutical compositions, e.g. vaccines, for treating ovarian
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The invention relates to ovarian tumour polynucleotides and polypeptide that may be utilised in cancer therapy, for example in a vaccine or gene therapy. Polypeptides and polynucleotides of the invention are useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the development of a cancer in a patient. They are also useful for stimulating an immune response in a patient, and for treating a cancer a patient and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their
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28-JUN-2002 (first entry)

Ovarian carcinoma O591S nucleotide sequence.

Ovarian cancer; cancer therapy; vaccine; gene therapy; tumour;

US2002004491-A1

10-JAN-2002

03-APR-2001; 2001US-0825294

2000US-0561778.

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15-AUG-2000;
07-SEP-2000;
14-NOV-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        useful for detecting a cancer in a patient, for stimulating and/or expanding T-cells specific for a tumour protein, and for inhibiting the development of a cancer in a patient. They are also useful for a timulating an immune response in a patient, and for treating a cancer in a patient and for determining the presence of a cancer in a patient. The isolated polynucleotides of the invention are useful for their ability to selectively form duplex molecules with complementary stretches of the entire desired gene or gene fragments, and for designing and preparing ribozyme molecules for inhibiting expression of tumour polypeptides in tumour cells. Polypeptides and polynucleotides of the invention are also useful in recombinant DNA molecules to direct expression of a polypeptide in appropriate host cells. The current sequence represents the ovarian carcinoma 05915 nucleotide sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gene therapy. Polypeptides and pouseful for detecting a cancer in
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CCACCCCTCCTGCATTGTTCCTTCCAGCCCTCGCCCCAACCCCCCACCTCCCTGAGTGA
                               CCACCCCTCCTGCATTGTTCCTTCCAGCCCTCGCCCCCAACCCCCCACCTCCCTGAGTGA
                                                             CTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAA
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STOLK J A.
ALGATE P A.
FLING S P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               tumour polypeptide and polynucleotide useful in diagnosis, ion and/or treatment of cancer, especially ovarian cancer
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2000US-0713550.
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                                                                                                                                                                                                                                                                          One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for treating a PRO related disorder and for diagnosing tumou such as lung cancer, colon cancer, breast tumour, prostate tumour, tumour or liver tumour
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                              cancer, colon
                                               The invention relates to one hundred and twenty two nucleic acids encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides encode human secreted proteins. The PRO nucleic acids, polypeptides, agonists and antagonists are useful for treating a PRO related disorder. The PRO polypeptides are useful for diagnosing tumours, especially lung cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Grimaldi JC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cDNA encoding human PRO protein,
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the proliferation or differentiation of chondrocyte cells, for stimulating the release of tumour necrosis factor-alpha from human blood, for stimulating or inhibiting the proliferation of normal human dermal fibroblast cells. The PRO polypeptide may also be used as molecular weight markers and for tissue typing. The PRO nucleic acids have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. ABK33536-ABK33657 represent human PRO protein coding sequences of the invention.
                                                                                                                                                                                                                                                     Sequence 1524 BP; 321 A; 433 C; 435 G; 335 T; 0 other;
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                                                                                                              gastrointestinal disorder; urinary system disorder; drug gene therapy; chromosome mapping; forensic analysis; antibody preparation; cytostatic; immunomodulatory; neuro antiinflammatory; gynaecological; reproductive; chromosor
                                                                                                                                                                                                                                                                                                                                        Human ovarian antigen HVCAG04 cDNA, SEQ ID NO:111.
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                                                      Homo sapiens.
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reproductive; chromosome 2q21-22;
                                                                                                                                                                         screening;
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Matches 1428; Query Match

Conservative

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Local Similarity

74.18; 99.68;

Score 1405.6; Pred. No. 0; Mismatches

DB 24; Length 1608;

Sequence

1608 BP;

402 A; 402 C; 417 G;

381 T; 6 other;

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CC recombinant vectors and host cells comprising human ovarian antigen and the use cof ovarian antigen polynucleotides against human ovarian antigens, and the use cof ovarian antigen polynucleotides and polypeptides in diagnosing, treating, prognosing or preventing various ovary and/or breast cancer, and constanting conditions include ovarian cancer and breast cancer, and constantic tumours of ovarian or breast origin, reproductive system conjugate ovary syndrome, ovarian cysts, and dysmenorrhoea), endocrine conjugate ovary syndrome, ovarian cysts, and dysmenorrhoea), endocrine conjugate ovary syndrome, ovarian cysts, and dysmenorrhoea), endocrine conjugate ovary syndrome, ovarian cysts, and dysmenors, and toxic conjugates, infections (e.g., chamydia, HIV, toxoplasmosis, and toxic conjugations, inflammatory conditions (e.g., mastitis, ophoritis and conjugated disorders (e.g., congenital and acquired conjugated disorders (e.g., anaemia), cardiovascular disorders, conjugated disorders, neurological disorders, gastrointestinal disorders and urinary system disorders, ovarian antigen polypeptides and conjunctive of individuals ovarian antigen polypeptides and conjugated ovarian antigen expression or activity. The polynucleotides may also be used in screening for compounds which conjugate therapy, chromosome mapping, in the conjugate ovarian antigen expression or activity. The polynucleotides may be used as food additives or to prepare antibodies useful in disease diagnosis, drug targeting and phenotyping. The present conjugate conjugate conjugate and conjugate antibodies and conjugate conjugate conjugate antibodies and conjugate conjugate conjugate antibodies and conjugate conjugate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to 2175 novel human ovarian antigens (ABP41054-ABP43228) and to cDNAs encoding them (ABC54131-ABC55305), and also encompasses polypeptides 90% identical and polynucleotides 95% identical to the sequences of the invention. The invention additionally relates to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Isolated nucleic acid molecules encoding novel ovarian polypeptides, useful in the prevention, treatment and diagnosis of cancer (e.g. ovarian cancer), immune disorders, cardiovascular disorders and neurological diseases
                                                                                Note: The sequence data for this patent did not form specification, but was obtained in electronic format
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 1; SEQ ID No 111; 2922pp; English.
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                                                                                                                                                      invention.
                                                      ftp.wipo.int/pub/published_pct_sequences
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                                                                                                                                                                                                                  a sample containing a nucleic acid molecule with a hybridisation probe amplification primers and detecting the presence. The invention is used in gene therapy. The method of the invention is used for identifying nucleic acids or polypeptides associated with a cardiovascular or tumourigenic disorder such as aberrant angiogenesis, aberrant vascularies associated with a cardiovascular or summary associated with a card
                                             vascularisation, artherosclerosis, or ovarian cancer, ischaemia/ reperfusion injury, hypertension, restenosis, arterial inflammation, endothelial cell disorders, diabetic retinopathy, psoriasis, myocardial infarction, Grave's disease and leukaemia. The methods can also detect mRNA or genomic DNA in a sample. The present sequence is G protein coupled receptor (GPCR) 4941 cDNA.
                                                                                                                                                                                                                                                                                                                                                                   The present invention relates to a method for identifying a nucleic acid molecule (G protein coupled receptor gene, GPCR 4941) associated with a cardiovascular or tumourigenic disorder. The method comprising contacting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; cardiovascular; tumourigenic disorder; aberrant angiogenesis; gene therapy; aberrant vascularisation; artherosclerosis; ovarian cance; ischaemia/reperfusion injury; hypertension; atterial inflammation; psoriasis; endothelial cell disorder; diabetic retinopathy; restenosis; myocardial infarction; Grave's disease; G protein coupled receptor; GPCR 4941; vasotropic; hypotensive; antiinflammatory; cytostatic; antidiabetic; antipsoriatic; leukaemia; ss.
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09-AUG-2000;
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DB; AAE11751.
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                                              The present invention provides human ovarian cancer associated proteins and coding sequences. The sequences can be used in the diagnosis and treatment of ovarian cancers. The present sequence is a coding sequence of the invention.
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                      10-SEP-1999;
01-MAY-2000;
15-AUG-2000;
07-SEP-2000;
                                                                                                                                                Ovarian cancer; cancer therapy; vaccine; gene therapy; tumour; cancer; expressed sequence tag; EST; ss.
                                                                                                                                                                             Ovarian carcinoma 01034C EST clone nucleotide sequence.
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             2000US-0561778.
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2000US-0656668.
2000US-0713550.
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                                                TAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAAT
                                                                                     CGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCCGAGAAGGGGAG
                                     TAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAAT
                                                                           TGGGCAGACACGAGCAGGAGGGAGACAGAGAAAAAGAAAAACACAGCATGAGAACACAG
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STOLK J A.
ALGATE P A.
FLING S P.
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CC The invention relates to ovarian tumour polynucleotides and polypeptides CC that may be utilised in cancer therapy, for example in a vaccine or CC gene therapy. Polypeptides and polynucleotides of the invention are CC useful for detecting a cancer in a patient, for stimulating and/or CC expanding T-cells specific for a tumour protein, and for inhibiting the CC development of a cancer in a patient. They are also useful for CC athmulating an immune response in a patient, and for treating a cancer in CC a patient and for determining the presence of a cancer in a patient. CC The isolated polynucleotides of the invention are useful for their CC ability to selectively form duplex molecules with complementary stretches CC of the entire desired gene or gene fragments, and for designing and CC preparing ribozyme molecules for inhibiting expression of tumour CC polypeptides in tumour cells. Polypeptides and polynucleotides of the current CC expression of a polypeptide in appropriate host cells. The current CC expression of a polypeptide in appropriate host cells. The current CC expression of a polypeptide in appropriate host cells. The current CC expression of a polypeptide in appropriate host cells.
                                                                                                                                                                                     1271 AGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                sequence represents the ovarian carcinoma O1034C EST clone nucleotide
GGCCTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTG
                                                                                                                                     AGTTCTCCTTGCAGAGGACTGGCGCCGGGACGCGAAGAGCAACGGGCGCTGCACAAAGCG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             tumour polypeptide and polynucleotide useful in diagnosis, ion and/or treatment of cancer, especially ovarian cancer
                                                                                                                                                                                                                                                                                                                          0;
                                                                                                                                                                                                                                                                                                                                                                Score 624; DB 24;
Pred. No. 1.5e-145;
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                                                                                                        The present invention describes a composition (I) comprising: carriers CC and immunostimulants; and a polypeptide (II) having a cDNA sequence CC (S1) from the 10912 nucleotide sequences as given in ABL77023 to CC ABL87934, (III) encoding (II) having a sequence (S2), a T cell CC population of (II), or antigen presenting cells that express (II). CC (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to CC (S1) can be used for detecting ovarian cancer in a patient's biological CC sample preferably serum or ovarian tissue. The method comprises CC contacting a biological sample from a patient with (IV), detecting the CC amount of polynucleotide hybridising to (IV) and comparing the amount to patient, where the amount of polynucleotide hybridising to (IV) and comparing the amount to patient, where the amount of polynucleotide hybridising to (IV) is Cetected preferably by polymerase chain reaction (PCR). (I) comprising CC (III) and/or (II) is useful for stimulating and/or expanding T cells specific for an ovarian tumour protein comprising contacting T cells (IV) (III) is useful in design and preparation of CC with (III) or (II) (III) is useful in design and preparation of contacting T cells contable library e.g., a tumour CDNA library using well known creation tentiones.
                   Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 1; SEQ ID 10876; 489pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing polypeptide .
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             ACAGTGTAAAAAAAAAAAAAAAAAA 1895
                                            GGCGCTGTCGGTGGTGGAGTGCGCATGTACGCGCAGGCGCTTCTCGTGGTTGGCGTGCTG
                                                                   TAAATGAATAAAACCATAAAATATTTAGCCCCTCTGTTCTGTGCTTACTGGCCAGGAAAT
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Search completed: November Job time: 384.511 secs 7, 2002, 10:10:41

Matches

624;

Conservative

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Indels

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Gaps

AIB84686 w183d07.x
BF439382 nab63906.
BQ882B38 AGENCOURT
AI936826 wp69h10.x
BM663397 UI-E-DW1BF594242 7n10d03.x

BQ668420 AGENCOURT

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Match
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Gapop 60.0 , Gapext 60.0
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      BI919074 603180881
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 AGENCOURT
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                                                                                                                                 BI91907
                                                                                                                                     mRNA sequence.
                                                                                                                                          BI919074 704 bp mRNA linear EST 16-OCT-2001 603180881F1 NIH_MGC_121 Homo sapiens cDNA clone IMAGE:5244956 5',
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BF126050
BF125134
BM709969
AI018769
BI544761
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BE395797
AA613995
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AI336858
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BM667957
AW075598
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AW338938
BI913989
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BE336607 bb68e04.y BF125050 601762APP BF125134 f^7

AI018769 ov32e04

вм709964 UI-E-CQ1-

B1544761 603242028 B1659845 603293440 BE395797 601310028 AA613995 nob6c08 s A1391683 qy93f04 x A1499630 to03b07 x BE746601 601580186

AL538562 AL538562
BQ689033 AGENCOURT
AI336858 QX86911.x
AW149665 x£40h05.x
BW667957 UI-E-DW0AW075598 xb24e07.x
BE731003 601570755
AI150931 qb53c04.x

AI742092 wg38h03.x BE350014 ht07g12.x AW338938 ha68h04.x BI913989 603180565 BF726459 by06h03.y

AW590950 hg51e12.x BE858216 7g19g07.x BI554034 603235426 BF939693 nac80b12.

AI990500 ws40d07.x

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RESULT 2
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                                                                                                                                                    CCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCC 665
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AGENCOURT_8344092 NIH_MGC_110 Homo 5', mRNA sequence.
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/note="Oygan: brain; Vector: pCMV-SPORT6; Site_1: NotI;
/note="Oygan: brain; Vector: pCMV-SPORT6; Site_1: Note of 3
fetal brains, female age 20 weeks, female age 24 weeks,
and male age 26 weeks. Library is oligo-dT primed and
directionally cloned (EcoRV site is destroyed upon
cloning). Average insert size 1.7 kb, insert size range
0.7-3.5 kb, Library is normalized and enriched for
full-length clones and was constructed by C. Gruber
(Invitrogen). Research Genetics tracking code 017. Note:
this is a NIH_MCC Library."

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/db_xref="taxon:9606"
/clone="IMAGE:5244956"
/clone_lib="NIH_MGC_121"
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                        GCTCGGCCTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTGCAGAGGACT 1290
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GCTCGGCCTCGCTCTGAAAAGTGCTTAAGAAAATCTTCTCAGTTCTCCTTGCAGAGGACT
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NIH-MCC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collect
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Location/Qualifiers
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Plate: LLCM2388 row: o column: 21
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CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can
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/db_xref="taxon:9606"
/clone="IMAGE:6248684"
/clone=lib="Nuff_MGC_110"
/tissue_type="ductal carcinoma, cell line"
/tissue_type="ductal carcinoma, cell line"
/lab_host="D10B (phage-resistant)"
/lab_host="D10B (phage-resistant)"
/note="Organ: pancreas; Vector: pOTB7; Site_1: XhoI;
Site_2: EcoR1; cDNA made by oligo-dT priming.
Directionally cloned into EcoRI/XhoI sites using the
following 5' adaptor: GGCACGAG(G). Library constructed by
Ling Hong in the laboratory of Gerald M. Rubin (University
of California, Berkeley) using ZAP-cDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies).
Note: this is a NIH_MGC Library."
17 a 219 c 264 g 187 t 1 others
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cDNA Library preparation: Dr. M. Bento Soares, University of Iowa CDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa DNA Sequencing by: Dr. M. Bento Soares, University of Iowa Clone Distribution: Clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Dr. Jose Mercuende
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Contact: Robert Strausberg, Ph.D.
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1 (bases 1 to 702)
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                                                    /lab_host="DHIOB (Life Technologies)"
/lab_host="DHIOB (Life Technologies)"
/note="Organ: Left Pelvis; Vector: pT7T3-Pac (Pharmacia)
with a modified polylinker; Site_1: Ecor I; Site_2: Not I;
NCI_CGAP_EII is a normalized cDNA library containing the
following tissue(s): Chondrosarcoma. The library was
constructed according to Bonaldo, Lennon and Soares,
Genome Research, 6:791-806, 1996. First strand cDNA
synthesis was primed with an oligo-dT primer containing a
Not I site. Double stranded cDNA was ligated to m Ecor I
adaptor, digested with Not I, and cloned directionally
into pT7T3-Pac vector. The oligonucleotide used to prime
the synthesis of first-strand cDNA contains a library tag
sequence that is located between the Not I site and the
(dT)18 tail. The sequence tag for this library is
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                                          ACACTTGCAC
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/clone="IMAGE:5846228"
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/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                        /tissue_type="Chondrosarcoma"
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Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                      CTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGAACTCAGTTTGCATCAGCTG 558
                                                                                                          GCAAAGTGCCGGGATCATGTACCGCAAGTCCTGTGCATCATCAGCGGCCTGTCTCATCGC 498
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Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: Robert Strausberg, Ph.D.
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/clone="IMAGE:5245648"
/clone_lib="NIH_MGC_121"
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NIH-MGC http://mgc.nci.nih.gov/.
National institutes of Health, M
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Tissue Procurement: ATCC/DCTD/DTP
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/db_xref="taxon:9606"
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/clone="IMAGE:3617696"
/clone=lib="NIH_MGC_20"
/tissue_type="melanotic melanoma"
/lab_host="DH10B (phage-resistant)"
/lab_host="DH10B (phage-re
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.lnl.gov
Plate: LLAM12722 row: h column: 07
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AGENCOURT_6507108 NIH_MGC_124
5', mRNA sequence.
BM547660
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Tissue Procurement: Invitrogen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Contact: Robert Strausberg, Ph.D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Unpublished (1999)
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1 (bases 1 to 696)
NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
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                                                                                             Similarity
                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       quality sequence stop: 641.
                                                                                                                                                            /note="Organ: brain; Vector: pCMV-SPORT6; Site_1: ECORY (destroyed); Site_2: NotI; RNA source male hippocampus, age 27. Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.4 kb, insert size range 0.9-4 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 012."

134 t 17 others
                                                                                                                                                                                                                                                                                                                                                                             /db_xref="taxon:9606"
/clone="IMAGE:5727798"
                                                                                                                                                                                                                                                                                                                           /tissue_type="hippocampus"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                             /clone_lib="NIH_MGC_124"
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High quality sequence stop:
Location/Qualifiers
                            found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov Plate: LLCM2457 row: m column: 10
                                                                                                                                            Contact: Robert Strausberg, Email: cgapbs-r@mail.nih.gov Tissue Procurement: ATCC
                                                                                                                                                                                          NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
Unpublished (1999)
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                                                                         CDNA Library Preparation: Rubin Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can
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/organism="Homo sapiens" /db_xref="taxon:9606"

ORIGIN

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ACCESSION
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DEFINITION
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AI884686/c
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                                                                                                  GPR39. ;, ml
AI884686
AI884686.1
                                                                                                                                                    A1884686 591 bp mRNA linear EST 07-MAR-183d07.x1 NCI_CGAP_Brn25 Homo sapiens cDNA clone IMAGE:2431501 similar to SW:GP39_HUMAN 043194 PUTATIVE G PROTEIN-COUPLED RECE
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/clone_tibe"NIH_MGC_102"
/tissue_type="epidermoid carcinoma, cell line"
/tlab_Nost="DH10B (phage-resistant)"
/note="Organ: salivary gland; Vector: pOTB7; Site_1: xhoI;
/note="Corgan: salivary gland; Vector: pOTB7; Site_1: xhoI;
/note="Corgan: salivary gland; Vector: pOTB7; Site_1: xhoI;
/note="Corgan: salivary gland; Vector: pOTB7; Site_1: xhoI;
/site_2: ECORI; cDNA made by oligo-dT priming.
Site_2: ECORI; cDNA made by oligo-dT priming.

Site_3: ECORI; cDNA made by oligo-dT priming the
following 5' adaptor: GGCACGAG(G). Library constructed
by Ling Hong in the laboratory of Gerald M. Rubin
(University of California, Berkeley) using ZAP-CDNA
synthesis kit (Stratagene) and Superscript II RT (Life
Technologies). Note: this is a NIH_MGC Library."

96 a 314 c 285 g 191 t 1 others
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                                                         GAGAAGGGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGT
                                                                                       GAGAAGGGGAGGAGGATCATGTACGCCCGGAAGTAGGACCTCGTCCAGTCGTGCTTGGGT 1559
                                                                                                                                                                            TGCGAGGACACCGTGTACAGGAGCGGGTTGATGACCGAGCTGAGGTAGAAAAACGTCTCC
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                                                                                                                                                                                                                                                                                                TTGGCGTGCTGCAGCGACAGGCGGCAGCACCAGCACCTGCACGAACACCCGGCGAAACTGC
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NCI/NINDS-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project (CGAP/BTGAP), Tumor Gene Index (CGAP/BTGAP), Tumor Gene Index (District of the Control of the Contro
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Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D.,
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Insert Length: 1462 Std Error: 0.00
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